

ANNUAL DUES - UNITED STATES: \$17

CANADA: \$18

OUTSIDE NORTH AMERICA: \$27

NAME, CHECK OR MONEY ORDER PAYABLE TO WORLDWIDE TV-FM DX ASSOCIATION

# Vhf-UhfDIGEST

The Official Publication of the Worldwide TV-FM DX Association



WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO,NY14205-0514-U.S.A.



first class mail



OPINIONS EXPRESSED IN THIS PUBLICATION ARE THOSE OF THE INDIVIDUAL CONTRIBUTOR AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE PUBLISHER OR BOARD OF DIRECTORS. WE RESERVE THE RIGHT TO EDIT MATERIAL TO MEET PUBLISHING STANDARDS. UNLESS PREVIOUSLY AGREED UPON IN WRITING, ALL MATERIAL SUBMITTED FOR PUBLICATION IN THE HF-UHF DIGEST BECOMES THE PROPERTY OF W.T.F.D.A.

REPRODUCTION OF MATERIAL FROM THE HF-UHF DIGEST WITHOUT PERMISSION OF W.T.F.D.A. IS PROHIBITED. INDIVIDUALS AND OTHER ORGANIZATIONS ARE GRANTED SUCH PERMISSION PROVIDED PROPER CREDIT IS GIVEN TO THE SOURCE.

# Vhf-UhfDIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1991

**WMIX96.3FM**

THE BEST MIX OF THE 60'S, 70'S, AND 80'S

**100**  
WEEKLY RADIO

**WDCN**

**WSLJ 96.3**

**WSLI 93.1 FM**

**WSLI 93.1 AM**

**WSLI 93.1**

**-WGOW**  
100.1 FM/TALK LINE  
**Wzez**  
EASY 93 FM  
**OLDIES 96.3**

All Oldies...

All the Time!

**Y107**  
THE OUTRAGEOUS FM

**5**

WTME/NASHVILLE

**KDF 103.3**  
Rock & Roll Radio

**WTVF 5**  
Nashville

**AV**  
**U. TV**

**CKY**  
103.3 FM

**now**

**BBC**

**CKVU**  
YOU'RE THE YOUNG IN

Newfoundland Television

**9**

**KX12**  
KXMB-TV

RIDGECHASE/MARSHALL

**CFTO-TV**

**CFQC TV**  
Channel 8 Cable 9

**bctv**

**C**

**chek**

**12**  
KODAK-TV

**CKVR**  
Television to Explore

**WCET-TV**

**A&E**

**CTV**

**WBZ-TV**

**bctv**

**CKVR**

**WBZ-TV**

# From The STAFF

AURORA MAY "ROAR" AGAIN SOON...A reminder: auroral DX signal propagation is very likely this month. March--the month of the Vernal Equinox--is the usual high point of such activity. Those in Northern regions are most likely to get in on this unusual DX mode--but large openings have been detected well into southerly regions. If you have never had auroral DX before, expect the unexpected. It is often described as "spooky" and "weird" by those who have observed it, and almost always ties in with the display of "Northern Lights" (the aurora borealis) in the night sky, although the intensity of the visual display doesn't always seem to correlate with the scale and duration of the VHF DX conditions that accompany it. Look for odd telltale signs of auroral conditions as the event commences, such as poor shortwave conditions below 30 MHz, "watery" sounding signals, and sudden-starting E-skip at late hours (often over northern paths). It has been found that the best years for auroral DX do tend to fall before and after the actual peak of sunspot activity--1991 fits into the "after" category quite nicely!

TELEVISION NEWS COLUMN ON "HOLD"...Due to the loss of his entire computer system, Bill Fahber regrets that he must relinquish, at least for the present, his position as editor of TELEVISION NEWS. Should he be able to replace his equipment, he'd be willing to take over the column again. Unfortunately, he doesn't foresee this in the near future. This also means that plans for a second edition of the North American TV Database must be shelved. Bill is still able to do research and analyze the data, if someone else would be willing to do the column. Anyone using Fontmaster 128 with a Commodore 128, or able to convert Fontmaster files to his/her own system, would be ideal for the job. Updating the TV Station data list is, of course, a separate job, but it would be ideal for the same person to do both. That is also on Fontmaster 128. Bill has produced nearly ten years of columns, his first being the May, 1981 VUD. We've gone through the death of STV, the birth of MMDS, DBS, LPTV, HDTV, the busiest decade of UHF in history, commercials on PBS, stations switching affiliation, problems with SIN/Univision, Retrospect articles on TV history, debates on CCI interference patterns, short-spaced VHF drop-in assignments, and much more. Bill wants to thank everyone for their support and comments--and we owe him a great big thanks for ten years' worth of superb work for the club, producing a consistently lively and always newsworthy section of the VUD. The fact remains, however, that there is a great demand in the WFTDA for the information provided in Television News, and somebody has to take it over, at least for the time being. Mail already sent to Bill, as well as all his files and computer disks, will be available to that person.

## TABLE OF CONTENTS

|  |    |
|--|----|
| SATELLITE NEWS: Outlaw Music Channel snubs home satellite viewers....  | 1  |
| TV TIME TUNNEL: The history of Seattle's TV stations.....              | 4  |
| FCC FM NEWS: Chicago's WSSD 88.1 is supposedly on--a real mystery....  | 8  |
| NWS NEWS: Paducah KY NWS outlet ducts all the way to metro Toronto!..  | 9  |
| NORTHERN FM DX: Not a whole lot of DX, but good meteor scatter....     | 10 |
| SOUTHERN FM DX: A brief February encounter with off-season skip....    | 14 |
| WESTERN TV DX: Eckberg sees New Year's Eve UHF tropo to 600 miles...17 |    |
| SPECIAL REPORT: Two B.C. DXers check FM from 2400' above sea level..21 |    |

Thanks to QSL/LOGOS column editor Tom Yingling, Jr. for the collage on this month's cover.

## SATELLITE NEWS



GEORGE W. JENSEN  
4604 Annapolis Avenue  
Baltimore, MD 21208-4220

Changes Continue and will continue for sometime to come.

New Subcarriers - Morelos 1 (SCPC) XEWA - San Luis Potosi new and strong.

On the video services - the following changes have occurred.

Morelos 2 - XPDR 16 - TNT Latin America in MAC scrambling. Satcom 3 is now Satcom 1 and what an improvement.

Several changes have been made on this bird:

XPDR 1 is now American Movie Classics from 14

9 - Travel Channel from 16

21 - Request PPV from 19

### Telstar 303

TVN is converting to the Video Pal format and no longer using the hybrid Leitch system. It seems that everyone who has tried these other systems eventually revert to the VC2 plus format or go under financially.

Westar 5 - XPDR 6 - Caribbean SuperStation is now using expanded hours.

Spacenet 1 - XPDR 2 - Univision feeds

13 - Star TV Heaven has gone to TV Heaven and is no more.

Westar 4 - XPDR 17 - Outlaw Music Channel uplinked from Austin, Texas and Nashville, Tenn. and will apparently use a MAC type of encryption. As stated above for TVN I wish them luck since they have effectively locked out the 3 million home dish market. Advertisers take note.

GALAXY 3 - XPDR 2 & 3 - ABC and other Saudi Pool feed  
20 - CNN Dharan, Saudi Arabia feed.

Satcom 4 - XPDR 12 - Shop At Home noted here in addition to other transponders they use  
XPDR 19 - Satellite City

Galaxy 2 - 21 Spice PPV - omit

15 - Drice-In PPV - omit

Spacenet 2 - 15 - SCOLA from 16 - may change satellite soon.

17 - Telemundo feeds

PanAmSat KU XPDR 4H - ABC Tel Aviv

Intelsat 27.5 W \* XPDR 5H - CNN Tel Aviv live  
6V - NBC Tel Aviv

That's all for now - see you in 30

*George*

**TELEMUNDO, TU CANAL**

*siempre*





KING

CHANNEL 4  
100,000 W

-----Submitted by MIKE CHERRY/Edited by TOM BRYANT

**HISTORY OF SEATTLE TV**

[WITH SPECIAL EMPHASIS ON CHANNEL 13]

**NBC, BUT NOT FOR LONG:** When channel 13 Seattle/Tacoma went on the air August 1, 1953 as KMO-TV it was an NBC affiliate; and the third station in the market, having been preceded by KING-TV (5) [ABC] (Ed note: Channel 5 signed on in November 1948 as KRSC-TV and was sold to the KING organization and changed to KING-TV in August 1949.) and KTNT (11) [CBS/DuMont]. KMO-TV operated 8 hours a day under the direction of Tacoma broadcast pioneer Carl Haymond. When he put the station on the air, Haymond knew that he was playing with fire so far as hopes of keeping the NBC affiliation. It was a gamble that didn't pay off!

**MARKING THE TURF:** Since 1926, NBC's radio outlet in Seattle had been 50 kw powerhouse KOMO. The Fisher Blend Company, owner of KOMO radio, had applied for a tv license to operate on channel 4 as early as 1949; but was a victim of the 'freeze', and operation did not begin until several months after KMO-TV signed on. KMO radio was a 5 kw regional that had never been affiliated with NBC.

**AND THE WINNER IS...!:** When it finally got on the air in December of 1953, KOMO-TV exercised a clause in its NBC contract and was almost immediately granted the NBC television affiliation..leaving fledgling KMO-TV high and dry. "Lucky 13" (a promotional slogan) saw mass advertising cancellations, mass viewer exodus, and a massive stack of bills. To cut costs, virtually all of the staff was fired; and the entire operation was moved to the KMO transmitter building. The loss of the network proved to be more than the station could stand, and Mr. Haymond sold it to another long-time area broadcaster, J. Elroy McCaw. The new owner put special emphasis on locally produced programs, ran a lot of movies, and changed the call to KTVW. More on channel 13 later.

**ANOTHER VICTIM:** In 1958 a similar situation cropped up when KTNT (11) lost the CBS affiliation it had had since 1953 to newcomer KIRO-TV (7). It was a *deja vu* situation insofar as the usurpation of network affiliation was almost identical to the 1953 KMO-TV loss of NBC [KIRO-AM having been a long-time CBS outlet with provisions for CBS television service a part of its contract with the network.]

**ROLL CALL:** As of mid-1958...KOMO (4) was ABC; KING (5), NBC; KIRO (7), CBS; and KTNT (11) and KTVW 13 were both independents. Note that KOMO (which had snatched NBC from KMO/13) and KING had orchestrated a network swap of their own). At this point not a single network remained on the channel where it had originally started. KIRO's capture of CBS from KTNT created a second independent..something the market couldn't support at the time.

**SURVIVAL OF THE FITTEST:** Poor channel 13 was about to be kicked in the shin again. With considerably more power, thus a larger coverage area and audience; KTNT led the Indy pack with better programming and higher ratings. In fact KTVW was stuck with a vast repertoire of horrible movies, old sitcoms and off network reruns..almost all in black and white. While everyone else was getting into color, the only hue for 13 was RED..on the bottom line. The McCaws finally unloaded the station which then went through a virtual parade of owners; brief dark periods, and finally a complete shutdown in 1975. The license was eventually surrendered to the FCC and the channel remained vacant until 1979.

**T V TIME TUNNEL --- Page 2**

**NEW BALLGAME...OLD PROBLEMS:** In 1979 the Clover Park School System was granted the dormant frequency and established KCPQ-TV (Clover Park Quality) as an educational facility. The station supplemented the PBS service offered by non-commercial KCTS (9) but when fund-raising time came the viewers opted NOT to give to KCPQ; thus throwing the station into still another round of financial turmoil.

**AN ASTOUNDING TURN OF EVENTS:** In an unprecedeted move, KCPQ-TV was sold back to a commercial concern; Kelly Television Inc. This made it the first station in the U.S. to go from commercial to non-commercial and back to commercial again. The new owners kept the call but revamped everything else. A new tower and transmitter brought the station up to full power and into a competitive stance. The 'new' KCPQ became the second in the market to utilize MTS stereo and the first to offer 24 hour programming. By this time, Seattle was ready for another indy, and for the first time in 25 years the seemingly jinxed channel was on the road to success.

**THIRTEEN...TODAY:** KCPQ/13 is licensed to Tacoma but blankets everything from southwestern British Columbia to northern Oregon. After years of struggling, the Fox affiliate is one of the big guns in the market, and in addition to network fare, offers an impressive roster of syndicated programming and recent movie releases. Author Mike Cherry offers the observation that it might just be time for the station to resurrect the once-unlucky "LUCKY 13" slogan!

**SUPPLEMENTAL SEATTLE STUFF:** After being purchased by the Gaylord group in the early 1970s KTNT became KSTW. Other full service operations added to the Seattle/Tacoma market are Trinity Broadcasting's KTBU-TV (20) and a third independent, KTZZ-TV (22). KOMO-TV, licensed to Everett, was scheduled for 1987 startup but never went on the air. KEGE (33) in suburban Bellevue was on the air for about a year as a HSN channel, then went dark in early 1980. Non-commercial/educational KTPS (26) has been added in Tacoma.

**VANCOUVER AND VICTORIA, TOO!:** In pre-cable days, over-the-air reception of the Seattle stations in Vancouver was 'iffy' if not downright impossible. Now, most of the Seattle broadcasters enjoy a monster bonus in the form of a million-plus viewers on cable systems in the Vancouver and Victoria areas.

**PACIFIC NORTHWEST P.S.:** There's one other player that needs to be mentioned here...KVOS-TV (12) in Bellingham, WA. With an antenna height of 2370' (set) atop Mt. Constitution on Orcas Island; KVOS-TV is a major factor in the Vancouver market. Channel 12 was CBS (now independent), and to this day has a business office in Vancouver. Their signal in the Canadian metropolis is city grade, and until the advent of modern cable service, they far surpassed the importance of Seattle stations in Vancouver. The border station has a fascinating history, and Mike Cherry has advised that he will share it with us in this column at a later date.

**KING BROADCASTING COMPANY**

RADIO &amp; TELEVISION CENTER, 328 AURORA AVENUE • SEATTLE 9, WASHINGTON • MUTUAL 3333

Thanks again to Mike Cherry for the research that made this month's feature possible. This column welcomes reader contributions...in fact I ENCOURAGE them. Your comments, both positive and negative are also encouraged. Without your input it's difficult to insure a variety of material, or to know your preferences of topic matter.

**VIDEO:** Highlights of the WTFDA 1990 Convention; WSMV DX'er feature; and '40 Years On 4' (also WSMV) are all available on VHS or BETA. Send a tape and return postage [or \$6.00 and I'll take care of the whole works]. Mail order to: Tom Bryant/849 Todd Preis Dr./Nashville/TN/37221.

# AAC FM NEWS

Bruce F. Elving, Ph.D., Editor  
P. O. Box 336  
Eako MN 55733-0336, U. S. A.

## Readers' News and Reports

Doug Allen kindly wrote and mentioned Castle Rock 92.1, KYB G-FM is indeed stereo. And he recognizes the correct calls for Casper WY 106.9 as KCSP.

Peter Weeks from NB sent word that CHSR has gone from 87.5 to 97.9, in Stereo. "It's transmitting tower is on top of one of the apartment buildings used by University of New Brunswick students on Montgomery Street, fairly high up on the hill on this side of the Saint John River. I have received it on the car radio as far as about 32 km up the Saint John River and also up the nearby Nashwaak River."

A guy just called and said that WROR 98.5 Boston has changed calls to WB MX; although I show WBMX as the calls for an AM on 640 in Zeeland MI; more on this later, as official word comes in.

From Nashville, Peter Bryant confirms that WWTN 99.7 Manchester has jettisoned its stereo, now mono talk fulltime, serving Nashville with a tall tower. Also, he sent an article from "Broadcast Engineering" on the FCC rules designed to crack down on FM translators. DXing them may be more difficult than originally expected, since maximum radiated powers (ERP) will be 250 watts rather than 1,000 watts. And like pointed out earlier, the advantage to third-party owners will be only to relay a strong primary station, not a more distant one with unique programming. This will tend to clog the dial for DXers with clones of local programming. In FMedial last month, I summarized John LaTour's petition to the FCC to revisit and reconsider the FM translator proposal.

KCEO 100.5 Walnut Creek CA only a cable FM station? That's what newspaper ads say, but with a fund drive going on, John Jefferson thinks efforts may be made to revive KCEO's FM signal. He confirms that KSQQ 90.1 Morgan Hill is in stereo, now with ethnic, and that KKIS-2 92.1 Pittsburgh PA is on the air, though pointed away from the freeway. And high powered boosters of KFOG 104.5 and KSAN 94.9 San Francisco are on the air. Try for 'em!

Chris Dunne sent some south FL news, including a local bender. He has heard WGUF 92.7 Marco, now b, but apparently he is not getting it strongly enough to tell if it possesses stereophony or not. WKLG 102.1 Rock Harbor has been off "for days" now and he wonders, like all of us wonder, "why?"

John Ebeling sent an article about the planned FM tower of WBFX 95.3 Grand Marais being blocked by a judge, because it would be too close to a wilderness area used for canoeing. The station is not sure it will build, even if a different, more environmentally-suited site is found. He sent a letter from member Andy Boilin, 709 Lincoln Ave., Charleston IL 61920. Perhaps some member can help Andy. It involves a process of using two antennas, each on its own tower with its own rotor, for throwing nulls at your nearby stations. Both antennas are hooked up to a two-way splitter, and then the output to your receiver. Then insert an attenuator and play with the attenuator adjustment and the rotor bearing of the one antenna until a null comes. The procedure is very experimental, and before any of you

try it, you might want to wait to see what Andy comes up with. To complete his experimenting, he needs some James Millen capacitors at a fair price. "The factory wants \$19.75 each for a no-frills cap! Here's what I need: Millen No. 20050E and 20100E." Andy is also researching a TV version of his "nullifier." Send help if you know of the location of a distributor who might offer a much lower price for those capacitors. Perhaps Andy can soon write an article advising all of us how we can DX around, or through, our local "friends."

Somebody sent a piece on the "micro" radio movement, started by WTRA 107.1 Springfield IL. A similar FM pirate is said to be operated, snubbing its nose at the FCC, in Decatur IL; frequency unknown. Similar stations are said to be ready to be launched in Chicago, Richmond VA and Birmingham AL, % National Lawyers Guild, % Attorney Peter Franck, 3032 Batsman St., Berkeley CA 94705.

Ernie Cooper got a QSL from KAXE 91.7 Grand Rapids MN thanks to my calling and writing KAXE on his behalf. I am willing to help verify other MN and WI stations (FM) that others are finding hard to QSL. He still wants to see the FM Atlas include program format information by frequency; possibly the new NRC FM list (see last month's VUD ad) might have it that way; I have yet to see that list.

Len Kruse sent a piece about KNEI-FM 103.9 Waukon IA poised to become a C2 in stereo, and more DX ready. Article didn't say, but KNEI-FM will move to 103.5 with the more power.

It was Dan Cahill, who reads this column, who sent the info on the "micro" radio movement. Bill Nienajadly has sent him some filters to modify his Technics ST-870. "It's good!"

Chris Dunne has heard about a new Bahamas station, probably from Nassau, calling itself merely "1-0-4-5," and alluding to Paradise Island and Ch. 13 being on the air. You might want to try to DX 104.5, in case it is a high-powered station.

Tim McVey has confirmed Bill Nienajadly's findings that you can, indeed, modify digital tuners to tune finer, such as 50 kHz steps by diode adding or elimination. A laxative to make tuners perform better, with more regularity, Bill?

Anyway, William Hepburn in Canada has also changed his tuner for more precise steps, Bill believes.

Receiving the new Atlas was Todd Brandenburg of Topeka, who sent several KS updates, noting some translators that have never operated. He says KWJC 91.9 Liberty MO will have to stay there and not move to 91.5 with more power because of KANU 91.6 Lawrence KS. I see a station near him is changing frequency and undergoing a modest power increase; it's moving to 88.7 and is KNBU Baldwin City. He's not sure if KKCI 102.5 Goodland KS is stereo or not—Goodland represents real good DX for him, out to the west where tropo is more infrequent.

Larry Fuss got his 13th edition "FM Atlas," and says I've "done a superb job as usual." He took a trip to HI and heard KLUA in Kailua-Kona on 93.9 ("93.9 Kailua FM" [strict]). I show KGGG, an unbuilt CP, on the island of Kauai, which is not correct. There are three towns in Hawaii named Waimea. Based on the coordinates in the FCC database, 99.1 belongs to Waimea on the island of Hawaii—also known as Kamuela, presumably to distinguish it from the other two Waimeas. I'll look at other states I'm familiar with soon and let you know if I spot any discrepancies."

## FCC-FM

### See also February VUD For:

AL Linden WNPFT FM 102.9 in S. Pugh, p. 35  
AR Sheridan KXIX 102.9 Kir-103, Pugh, p. 35  
FL Fort Myers WAYJ 88.7 is usually g!, Falconer, p. 32  
[Manor, "EZ-103.5"] Strobel, p. 30  
IL Christopher WUEZ 103.5, ID with Herrin /  
IL On Kalb WDKA 94.5 B-95, Strobel, p. 30  
IL Mahomet WHZT 105.9 S, "The Rest," ID with  
Champaign-Urbana Strobel, p. 30 [bet, p. 30]  
IL Shelbyville WEIJ 105.1 ID with Mattoon Stro- /  
IL Wokotah WOTX 105.1 apparently talks, mono but  
with 8[1]m[odulation] capability, Strobel, p. 30. Watch  
to see if it should return with pr and glorious S!  
MI Hastings WBW CH-FM 100.1 ID with K; perhaps it  
was still in when Hall (p. 29) heard it in Nov  
MI Johns WIGR 92.1 Min 8.1 from "The Ap"!  
Falconer, p. 32 ["Rocket KT2Z," Allen, p. 33  
MN Minneapolis KTCZ 97.1 S "Cities 97," not/  
NM Farmington KSJE 98.9 ct, Allen, p. 33  
NC Murfreesboro 98.3 calls are WBCG, not  
"WBGS," Hall, p. 29  
OH Coal Grove WVKV 97.1 S "We're" Strobel, p. 30  
OH Crestline WAPO 98.7 S, rp ID w/ Mansfield,  
"The Apple," Strobel, p. 30  
OH Crooksville WYBZ 107.3 S, o, Strobel, p. 30  
OH Logan WLW-BM 98.3 still mono? Hall, p. 28  
OH Portland KGU 90.7 not in State say  
more? Cherry, p. 28 [bet, p. 31]  
PA Media WKZS 100.3 S, Hall, p. 29 [each, Stro- /  
SC Conway WYAV 104.1 ID with Florence Myrtle/  
SC Kingman NWKX 98.3 S, Hall, p. 29  
TN St. Joseph calls on 101.5 are WJDR-FM, is, S,  
g, Pugh, p. 34  
TX Georgetown-Austin KHFJ 96.7 S, Pugh, p. 36  
WA Safford WAFX 106.5 op, Nieman, p. 28  
WA Aberdeen KDXU 104.7 rp, Cherry, p. 28  
WA Forks KLLM 103.5 still mono? Cherry, p. 28  
WA Pasco KEYW 98.3 not "KEYO"; even though  
it uses a "98.6" mid-freq; hear it or call it?  
Cherry, p. 28 [bet, p. 28]  
WA Wenatchee KPD-FM 102.1 r ("Linn"), Cherry, /  
AB Edmonton CKRA 96.3 Lee 96/rpm "96-K/  
BC Prince George CIKX (not "CKBX") 94.3, r  
WA Forks KLLM 103.5 still mono? Cherry, p. 28  
CA Metro Bay 99.7 KWBW-FM (KWBW-FM)  
DC Washington 100.3 WJZ-FM (WJZ-FM), "Jacoby  
100," facilities to 30000 hz, 175 m  
FL Key West 107.8 WWFT  
GA Hinesville 92.1 WWSK (WWLD)  
GA Panama 101.9 WWFP  
GA Toccoa Falls 90.9 WRAF-FM (WRAF); AM is  
a commercial station in Alpharetta GA  
LA Monroe 104.1 KJLO-FM (KJLO); AM gets  
new calls!  
ME Biddeford 94.3 WSTG (WYJY), "Star 94.3"  
ME Adrian 107.9 WYAC-FM (WYAC); AM is a  
commercial station in Norwell OH  
MS Kasiusko 103.3 WWS  
MS Mem Point 104.9 WZBA (WZBA), L, "Bet"  
MO Peters 97.7 KWVB  
MO St. Louis 102.5 KEZK-FM (KEZK); AM is a  
Wood River IL, mr. its former b format goes  
to its AM. The AM's previous all-business  
format worked out "pretty well for us from a  
monetary standpoint, but it was so secret that  
the ratings weren't there."  
NV Las Vegas 103.5 KMMK (KLTN), now r  
NY Homer 101.5 WXHK, to 1300 hz; 148 m  
NY Jamestown 88.7 WJJA  
NC Charlotte 95.1 WGKL-FM (WGKL-FM)  
NC Old Morehead 90.3 WMRB 103.3  
NC Myrtle Beach 100.1 WMBB  
NC Rock Mount 90.9 WESQ (WUWE)  
ND Minot 106.9 KHR-FM  
OH Hamilton 96.5 WZRO (WVBE), p, "Z-Rox"  
OH Norwalk 96.3 WLKR-FM" (WLKR-FM;  
AM gets new calls)  
OR Bend 96.3 KTMW (KIDD-FM), sp, "K-  
Time," simulcast with Warm Springs  
OR Eugene 98.1 KWVA  
OR Lake Oswego 106.7 KMXI-FM (KMXI); AM is  
in Vancouver WA  
MT Emigrant (SE of Livingston) K216CH "91.1  
(KEMC 91.7 Billings) [Milan City]  
MT Terry K220DF "91.9 (KECC 90.7)  
NJ Asbury Park "88.1 100 watts hz; 30 m, L,  
Evangelical Crusade of Fishers of Men  
NM Clovis K204BP "88.7 (WMBI-FM 90.1  
Chicago IL) [A. Salley]  
NY Copiague 101.7 200 hz; 374 m, T/L/  
NY Montauk 94.9 3000 hz; 38 m, WFM  
Beach, Inc. [R. Delaware, Inc.  
OH Delaware 107.9 3000 hz; 180 m/  
OH Greenfield 97.5 2800 hz; 183 m

March, 1991

OH Manchester (there are two Manchesters in  
OH—is this the one on the river near Mayville  
KY 101.3 3000 hz; 100 m, Jewel Schoeller  
Bragg, [Ground City Brag-  
OH Mount Gilead 95.1 3000 hz; 180 m/  
OH Watson 96.3 3000 hz; 150 m, Stansbury  
Radio Partnership  
OR Florence K211—90.1 (KXVM) 91.8 Eugene.  
This translator is used to feed KSYD 92.1  
Redmond OR. KSYD will also have same  
programming from Redmond High School.  
SD Gettysburg K214BN 90.7 (WMGB) 91.7  
Chicago IL)  
TN Balcony 94.7 8000 hz; 100 m, the Shores  
TN Dyerburg W214AJ "90.7 (WMGB) FM 90.1  
Chicago IL)  
TN Jackson W201AM "88.1 (WMGB-FM  
TX Graham K214BG 90.7 (WMGB-FM)  
TX Huntsville K218BI 91.5 (WMGB-FM)  
TX Jacksonville 102.3 3000 hz; 100 m, R. W.  
Shivley (in, Trinity Valley Brag-  
TX Woodville 94.7 5000 hz; 150/  
UT St. George 99.7 10000 hz; 301 m, Inc.  
UT Maricopa 93.9 3000 hz; 37 m, Radio  
Vermont, Inc. [Billing MT)  
WY Worland K20381 "80.5 (KEMC 91.7/  
OH Belleville 92.3 50 watts h, Loyola College  
102.3 3000 hz; 8, 1, Ting Communications  
Call Letters Assigned or Changed  
AL Fort Rucker 100.5 (Heilman change from  
93.1) WUXS [from KFLG]  
AZ Bullhead City 102.7 KFLB-FM/  
AZ Tucson 98.1 KUAZ  
AK Fairbanks 96.7 KLLK-FM (KZPB); AM is a  
WVits CA [in, "Power 102"  
CA Fresno 101.0 KOPW (KQD-FM)  
CA Morro Bay 99.7 KWVB  
DC Washington 100.3 WJZ-FM (WJZ-FM), "Jacoby  
100," facilities to 30000 hz, 175 m  
FL Key West 107.8 WWFT  
GA Hinesville 92.1 WWSK (WWLD)  
GA Panama 101.9 WWFP  
GA Toccoa Falls 90.9 WRAF-FM (WRAF); AM is  
a commercial station in Alpharetta GA  
LA Monroe 104.1 KJLO-FM (KJLO); AM gets  
new calls!  
ME Biddeford 94.3 WSTG (WYJY), "Star 94.3"  
ME Adrian 107.9 WYAC-FM (WYAC); AM is a  
commercial station in Norwell OH  
MS Kasiusko 103.3 WWS  
MS Mem Point 104.9 WZBA (WZBA), L, "Bet"  
MO Peters 97.7 KWVB  
MO St. Louis 102.5 KEZK-FM (KEZK); AM is a  
Wood River IL, mr. its former b format goes  
to its AM. The AM's previous all-business  
format worked out "pretty well for us from a  
monetary standpoint, but it was so secret that  
the ratings weren't there."  
NV Las Vegas 103.5 KMMK (KLTN), now r  
NY Homer 101.5 WXHK, to 1300 hz; 148 m  
NY Jamestown 88.7 WJJA  
NC Charlotte 95.1 WGKL-FM (WGKL-FM)  
NC Old Morehead 90.3 WMRB 103.3  
NC Myrtle Beach 100.1 WMBB  
NC Rock Mount 90.9 WESQ (WUWE)  
ND Minot 106.9 KHR-FM  
OH Hamilton 96.5 WZRO (WVBE), p, "Z-Rox"  
OH Norwalk 96.3 WLKR-FM" (WLKR-FM;  
AM gets new calls)  
OR Bend 96.3 KTMW (KIDD-FM), sp, "K-  
Time," simulcast with Warm Springs  
OR Eugene 98.1 KWVA  
OR Lake Oswego 106.7 KMXI-FM (KMXI); AM is  
in Vancouver WA  
MT Emigrant (SE of Livingston) K216CH "91.1  
(KEMC 91.7 Billings) [Milan City]  
MT Terry K220DF "91.9 (KECC 90.7)  
NJ Asbury Park "88.1 100 watts hz; 30 m, L,  
Evangelical Crusade of Fishers of Men  
NM Clovis K204BP "88.7 (WMBI-FM 90.1  
Chicago IL) [A. Salley]  
NY Copiague 101.7 200 hz; 374 m, T/L/  
NY Montauk 94.9 3000 hz; 38 m, WFM  
Beach, Inc. [R. Delaware, Inc.  
OH Delaware 107.9 3000 hz; 180 m/  
OH Greenfield 97.5 2800 hz; 183 m

## FCC-FM

## Format Changes

Formats are the same as the "FM Atoms"

AL Jasper W2B0-FM 102.5 rp

AL Linden WNP-FM 102.9; SMN R&B oldies

AZ Green Valley KGMS 97.1 rp

CA Dinuba KJQI 98.9 fm, "Lil FM 88.9"

CA Porterville K100 99.7, dropping jazz/new

499

CA Wood KWHO 100.9 k

CT Stonington WYVE 102.3 o, SMN Pure

DE Bethany Beach WMTR 95.9 rp

DE Georgetown WZBH 93.5 rp

MI Muskegon Heights WOOF 101.7 L, dumping rock and simulcasting with WQWQ 1620; may change its calls. Its "L" format is "very traditional, too!"

FL Jupiter WTYR-FM 88.5 now Spanish, "Radio Triunfo"

FL Marco WGUF 92.7 fm, "Lita 82.7"

GA Brunswick WIOI-FM 100.7 (dishes)

GA Milledgeville WLRR 108.7 r, "Light Rock" (plus has oldies)

GA Washington WLWV 100.1 o, SMN Pure

IL Carlinville WCHL 95.9 k [country] Christian; ID with Marion

IL Ramsey WJLY 93.3 g, Moody

IA Bettendorf KDCS 93.5 g

IA Fort Dodge KUEL 92.1 o

KS Burlington KMP 95.3 rp, B

KS Kingman KTCM 100.3 g, "adult Christian..."

All of us here at KAPH have found other jobs.

They will be bringing in their own staff."

KS Winfield KWKS 93.3 o, SMN Pure

KY Burndale WJDJ 93.9 r

KY Louisville WLRS 102.3 r, "Nir 102"

LA Baten Rouge WGGS 98.1 c (simulcast)

MO Baltimore WYST-FM 92.3 o, AM/FM

MN New Prague KCHK-FM 95.5 k, some rock

oldies; plus most of the day Sundays,

"KCheck," or maybe it's "K-Czech." They

are being heard throughout the Twin Cities, including 1.6 km from KROF 95.3 St. Paul (an AAD 4300 tuner), KNOF gave them permission to interfere with their signal in some areas. KCHK-FM was due to get off on air in some nearby stations fought it, saying they feared harmful radiation."

MS Indiana WD LJ 95.5 rp

MS Mississippi Public Radio stations go ej—jazz

afternoons (each station now 10s separately, with a three-second ID using taped voices of the announcers on duty. "Very sharp!"

ME Hancock WERU 102.1-14

MD Willow Spring KGAR 100.3 k, parallel to

KWPM 1450 West Plains (cast with AM)

NH Concord WXLK-FM 102.3 rp, simul-/

NH Hillsboro WRCI 107.7 m, simulcasting

WJYV 106.5 Concord; WXLK AM there to

simulate FM, laying off three people. "We're generating much more revenue on the AM

station than on the FM. We haven't been able

to translate good listener responses on the FM

into sales success." WRCI will lay off six

part-time announcers and its office manager.

NM Armijo KMYI 107.1 m

NY Albany WROW-FM 95.5 util k, and topping

the fall Arbitrators at 10.9, up from 7.8.

Second is WFLY 92.3 at 10.2, then WGNA

107.7 at 9.6, down from 10.8, and WPXV

106.5 A, down from 10.2.

NY Buffalo WUFV 103.3 r, still "The Fox"

NY Glens Falls WYLR 95.9 rp

NY Little Falls WOBW 105.5 rm

NY Newburgh WGNY-FM 103.1 rm

ND Jamestown KJZJ 93.3 rm

ND Langdon KVLR 86.7 rm, "KV-86"

OH Cadiz WWYS 106.3 rm

OH Cleveland WDAO 104.1, "O-104"

OH Crestline WAPQ 98.7 r

OH Toledo WKUT 98.3 p

OK Durant KLAK 97.5 k, "K-Lake" (not simulcast)

OK Seadrift Springs KTOW-FM 102.3 r, "Mix

102.3" (not simulcast)

OR Bend KOAK 105.7 o (now noncom/

OR Cresswell KAVE 95.3 rp

OR Prineville KJJK 95.1 fm, "Magic FM"

SC Darlington WDAR-FM 105.5

March, 1991

SC Pamplico WMXT 102.1 rm, "Mix 102"

TN Henderson WHHM-FM 107.7 k

TN Oak Ridge WKNF-FM 94.3 rm

TX Beaumont KQXY 94.1 rm, "94-0" (from "94-9")

KZZB 96.1 rm, "96-9"

TX Belton KYZZ 106.3 o, SMN Pure, no nonID

TX Corpus Christi KZS 106.8 r (uses call letters, KGLF 103.3) Freight retains the religious format and is greater Houston's "Joy of Jesus" (from "The Christian Leader")

TX Denison KTCY 104.8 k

TX Eastland KEAS-FM 97.7, normally country, heard with c, Metropolitan Opera, one Saturday afternoon. "This seems so outrageous that I am going to write the station to see if this is normal policy or if it was just a special broadcast for some reason. Eastland is the last place I would expect to hear opera being broadcast, especially on a country-western station."

TX Galveston KRTX 104.3 rm, "The Breeze"

TX Georgetown KHF 96.7 rm, "K-Hit" (not strict; also "Mix 96.5—an identity crisis")

KODA 98.1 no longer carries the Houston Oilers. "Last season, the games were heard on AOR/semi KLOL 101.1 and KTRH 740."

KODA again known as "Code 89" (strict).

TX Marshall KEP 92.3 rm, 6

TX San Antonio KSTX 88.1, NPR news and talk, presumably with some music to justify a stereo listing

TX Springfield KBQX 88.1 k, mono

TX Texarkana KKYR-FM 102.5 k, no nonID, "simulates AM, but only mimics AM is on hour during legal ID."

TX Weatherford KYQX 88.5 k, mono, and normally separates in its programming from KMXQ Springtown

TX Winfield KALK 97.7 rm

VA Windsor WXR 107.7 rm

WI Wisconsin Public Radio stations (network which was in the format) drop classical, new ej, with only occasional stereo on weekends (some full). Properly removes 8 carrier when mono, except for WVMK "80.3 Park Falls, which keeps it on all the time."

PR San German WRPC 95.1 r, adding Business Radio Network, presumably some English

VI Frederick WIVS 100.1 r, 8, had been off

NB Negus CBAF 22 "87.9 is English, etc,

despite use of French call letters, claiming 100000 watts, which may be hype for their

50000 horizontal and vertical; transmitter is in Allendale, NJ.

MS Halifax CKDU 97.5 rm, adding two new

classical music programmes produced by Dalhousie University students

ON Tijeras XHTM 103.3 m, 8; "American

music with Spanish spots and 10s mostly English," is causing second-edge channel interference to KJQY 103.7 and KSDG-FM

102.9 San Diego. "FCC has they shouldn't be there because they're in violation of 1972 U.S.-Mexican Agreement... We're fighting.

[Also] expect major changes in KYYV (94.9 San Diego)—new general manager, probably new format."

## On Air (Selected)

CA Pasadena KPCC 89.3, now 600 hz; 391 m, giving KCRW 88.9 Santa Monica public radio competition

IL Chicago WSSD 88.1, newspapers listed it as

doing a marathon; where its signal is received and when it is on remains a mystery

ME Lewiston WXLG 93.9, with WTME AM sold

to Richard Gleason, is the object of a suit by

People's Heritage Savings Bank of Lewiston

for \$1.3 million. Owners John Pineau and

David Dulce signed a note in 1988 for \$1

million to buy WXLG. The suit states a receiver

be appointed by the court to continue the

station's operation and that the FCC license

be transferred to the bank.

ME Mexico WTBM 100.7, now owned by

Richard Gleason, fires seven, and simulcasts

# MWS NEWS

There's a little bit to report this month, so it won't be a long column. The address above will be valid until the first week of May; after that time I'll have another new address, so stay tuned... it seems like when I get my new address in print it changes! Let's get on with the column shall we?

William R. Hepburn, 1211-1547 Mississauga Vly, Mississauga, ON L5A 3X8 Canada

Equipment: Realistic PRO-2004, 13th floor balcony vert. dipoles w/20dB amp

## NOVEMBER 1990

|                  |         |                 |     |                            |
|------------------|---------|-----------------|-----|----------------------------|
| 21 tr 0354 WXL43 | 162.550 | PA Wilkes-Barre | 260 | NWS, 15dB                  |
| 22 tr 2054 DKR   | 116.200 | NY Dunkirk      | 78  | VDR - CW ID only, no voice |
| 2150 WXM49       | 162.425 | IL Goreville    | 645 | NWS Paducah, KY            |
| 2325 WJX47       | 162.475 | OH Zanesville   | 280 | NWS Akron-Canton, 35 dB!   |
| 23 tr 0018 KYNG  | 119.750 | OH Youngstown   | 169 | ATIS                       |
| 0105 KIH35       | 162.550 | PA Pittsburgh   | 230 | NWS                        |
| 0603 GEE         | 980,000 | NY Geneseo      | 110 | TACAN                      |
| 0638 WXM70       | 162.500 | WV Spencer      | 345 | NWS Charleston             |

Comments: Great tropo on the 22nd-23rd! Reception of WXM49 with a fairly decent signal just blew me away. With only a miserable wire dipole strung up on my balcony, I can only imagine what a nice big yagi on a rotor would have brought in! Lots of interference from data and paging network on 162.420 MHz was ruining reception on 162.425 about 60% of the time. 162.475 Zanesville was strong enough to be all over local KJU-225. The GEE TACAN was the first non-local to be received.

For those that don't have freq. tables for the TACAN channels, they are as follows (spaced 1.0 MHz apart)..

Ch. 1-63 962-1024 MHz Ch. 1Y-63Y 1088-1150 MHz

Ch. 64-126 1151-1213 MHz Ch. 64Y-126Y 1025-1087 MHz

73s, Bill

(Bill, did WXM49 mention Goreville? My list says it is licensed to Marion, IL. WJX47 is licensed to Caldwell, OH, not Zanesville. What does TACAN stand for? Also, when did you add the 20dB amp? How is it? -mcs)

Matt Sittel, NWS News Editor

## OCTOBER 1990

|                  |         |                  |     |   |
|------------------|---------|------------------|-----|---|
| 02 tr 0741 WXL42 | 162.400 | NC Winston-Salem | 88  | OCTOBER 1990                              |
| 0813 WXL59       | 162.475 | NC Rocky Mount   | 66  | 0815 KHB37 162.550 VA Norfolk             |
| 03 tr 0807 WXL42 | 162.400 | NC Winston-Salem | 88  | P56                                       |
| 0849 WXL60       | 162.400 | VA Roanoke       | 124 | 20 tr 0812 WXL42 162.400 NC Winston-Salem |
| 04 tr 1718 WXL42 | 162.400 | NC Winston-Salem | 88  | 8 NOVEMBER 1990                           |
| 05 tr 0721 KHB31 | 162.550 | NC Wilmington    | 116 | 01 tr 1006 WXL42 162.400 NC Winston-Salem |
| 0838 KEC85       | 162.400 | GA Savannah      | 298 | 48  |
| 06 tr 1011 WXL42 | 162.400 | NC Winston-Salem | 88  | 26 tr 0832 KHB31 162.550 NC Wilmington    |
| 1011 KHB29       | 162.550 | SC Charleston    | 200 | 116                                       |
| 07 tr 2243 KEC95 | 162.400 | SC Myrtle Beach  | 123 | 03 DECEMBER 1990                          |
| 2245 KHB31       | 162.550 | NC Wilmington    | 116 | 13 tr 0758 KEC95 162.400 SC Myrtle Beach  |
| 08 tr 0010 WXL42 | 162.400 | NC Winston-Salem | 88  | 123                                       |
| 0650 WXM57       | 162.400 | VA Heathsville   | 195 | 0824 KHB31 162.550 NC Wilmington          |

My NWS log totals now stand at 21.

There really hasn't been much DX since. I'm 2 floors lower in my new room, so I have not been able to determine how much DX will be affected. It's hard to tell as this time of the year doesn't usually yield much DX as it is. I did log WXM72 162.425 WV Hinton at 125 miles, from Kingsport, TN at 0657 on 1/4/91. Tom Bryant writes... "After using Matt Sittel's Realistic portable Weather Radio on the trip to and from Manassas last August, I was sufficiently impressed with the unit that I picked one up when they had them on sale for about \$13. Since then I have not heard any Es WX stations, but some rather unusual results via Tr. Of course the Nashville station is always dominant, with the Waverly repeater and the Murray, KY satellite of Paducah in most of the time. Also heard have been Florence, AL and Paducah, KY; and on the evening on 1/2/91, the local station could be nulled to hear BOTH Tupelo, MS and Somerset, KY. Also heard for the first time that evening was the Bowling Green NWS station. Sorry, but I neglected to log the calls and frequencies.

Thanks, Tom! Keep us posted. I caught an ID off of Myrtle Beach, SC NWS, and the calls for 162.475 Cross, SC are WXM93. Check for NWS DX, and report it here to NWS NEWS!!! 73's, Matt.

# NORTHERN FM-DX

FOR DXers In: Canada, ME, VT, NH, MA, CT, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IOWA, SD, ND, MT, WY, ID, WA, and OR

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NY 14221

## MARCH 1991

Not a whole lot of DX to speak of this time. DXers continued to do well with meteor scatter loggings during December and January, and there were evidently a few short e-skip openings, nothing major though. Some more reports from Thanksgiving tropo fest as well. Thanks to Bruce Hall for sending a list of meteor shower events for 1991, and Rich Shafan for sending a map of his daily tropo-scatter.

**FRED NORDQUIST - 7945 B OXFORD ROAD - CLAY, NEW YORK 13041 (ELT)**

Equipment: Receiver: Carver TX-11a modified with two 150 khz IF filters. Antenna: Two CM Stereo Probe 9's HORIZONTALLY stacked at 35' AGL, CAC-11 75 ohm coax. Home brew tunable band pass filter. Underlined new to log. Dashed underline new propagation mode.

## OCTOBER 1990 DX

| OCT 19, Trace                                  |  |  |
|--|--|--|
| 11 Trans                                       | 2205 WBBG 93.3 OH Youngstown, Oldies/JD o/WSEE 271 |  |
| 2231 WOMP 100.5 CH Baltimore/Indy in WVOR null | 321  |  |
| 10/27/90 WWDL 95.1 MD                          |  |  |
| 20.5 in Florida, 100.5-101.1, MUJ 90.7 MD      |  |  |
| 1054 WCIE 91.1 FL Lakeland 4, ID               | 1002   | 2300 KQWJ 91.1 MO Springfield, ID, prev Es           |
| 1058 WSPP 90.1 FL Ft. Myers, classical, ID     | 1107   | 144 MS Disney/Gemini 90.3 KY Lexington, ID, * 993    |
| DECEMBER 1990 DX                               |  | 0059 WUKY 91.3 KY Lexington, ID, *                   |
| 2 MS   |  | 28 Tr. Hwy 200 in Atlanta, Georgia                   |
| 2220 WQX 90.1 FL Jacksonville, ID (previe Es)  | 936  | 0052 CBO 91.5 CN Ottawa, ET, J, RS-1/V EE (7-ge) 502 |
| 10 Trans                                       |  | 0056 CBOF 90.7 CN Ottawa, w/ WRC FPC                 |
| 1800 WMU 91.1 OH Alliance, Mt. Union College   | 207  | 0110 WYKE 91.3 NY Poughkeepsie, P, JD 158            |
|  |  | 0208 WBPM 94.3 NY Kingston, BSY, calls 149           |

\*Central NY PBS stations WCNY/WUNY/WJNY/WVOW/RVE/WRVN sign off at 0000, clearing up these channels for MS DX etc. Totals at 1533. Happy New Year and good DXing in 1991. 73-Fred

**RICHARD K. SHAFAN - 101 OAKLAND AVE - ROCKAWAY, NEW JERSEY 07466**

Equipment: JVC JR-S201 receiver, Radio Shack FM Antennas (2) stacked at 35 feet AGL, 150 filters. Phone #: (201) 566-3563

## OCTOBER 1990 DX

7 Tropo (Longwave)

2248 WCRB 102.5 MA Waltham, solid w/ WOLC  
2249 WWRX 103.7 RI Westerly, solid. WNNJ is 12 miles away at 20,000 watts.

8 Tropo

0015 WWMD 106.5 MD Baltimore  
0040 WJFD 97.3 MA New Bedford, Portuguese  
0119 WNTX 96.3 MA Nantucket, Oldies 96  
0122 WPPW 99.3 DC Washington, ID  
0123 WGBH 99.7 MA Boston, local

## NOVEMBER 1990 DX

17 tropo-scatter

1747 WQSR 105.7 MD Catonsville, ID  
2013 WCNY 91.3 NY Syracuse, classical, ID

18 groundwave (Rooftop system)

2350 89.4/89.6 unID on carrier of WSOU. ID was WRMM New York

19 GW/Tropo

0035 WLFR 91.7 NJ Pomona, ID; Lite 91.7

2327 WDVR 89.7 NJ Stockton, ID; now regular.  
I don't know why I never picked this up one mile away

20 Tropo

1026 WHLM 106.5 PA Bloomsburg, ID; another station I could rarely get a mile away.

22 Tropo

1244 WJFM 100.1 PA Lebanon, ID; Bright 100  
1258 WAFL 97.7 DE Milford, top 40, ID

2050 WAAI 100.9 MD Hurlock

2052 WNIN 101.7 NJ Canton, rare, religion

2055 WZBH 99.5 DE Georgetown, The Beach

## NOV. 22 tropo cont

2056 WGMD 92.7 DE Rehoboth Beach, Sunny 92.7  
2121 WCEI 96.7 MD Easton, local ad, thru WQQQ  
2159 WVBF 105.7 MA Framingham, Local talk show

ID as Boston 105

2212 WAQY 102.1 MA Springfield, Rock 102, Stones  
2340 WROR 98.5 MA Boston, local mentions

27 Tr/S/GW

0049 W244AS 96.7 NJ Oakhurst, WHTZ translator  
1432 WARY 88.1 NY Valhalla, ID

1454 WKRB 90.9 NY Brooklyn, ID thru WHYY  
1512 WHKS 94.9 PA Harrisburg (Rich, calls are now

WKLL-gc), also 97.3 WXBB fm.  
1615 WXLO 104.5 MA Pittsburgh, ID; this comes in fairly regularly here.

1644 96.1 & 97.3 New Bedford In. Also 98.5, 96.1, 92.9

102.5, 103.3, 105.7, 94.5 Boston area

1830 WSNE 93.3 MA Taunton, ID  
1858 WFNX 101.7 MA Lynn, u/ WBAZ, ID promo

## METEOR SHOWERS IN 1991

| Showers        | Date    | Hour (UT) | Rate (#/hr) | Viewing Circumstances |
|----------------|---------|-----------|-------------|-----------------------|
| Quadrantids    | Jan 4   | 03        | 60          | poor                  |
| Lyrids         | Apr 22  | 14        | 1D          | fair                  |
| Eta Aquarids   | May 5   | 14        | 35          | fair                  |
| delta Aquarids | July 29 | 04        | 20          | poor                  |
| Persieds       | Aug 13  | 04        | 75          | excellent             |
| Geminids       | Oct 22  | 07        | 25          | poor                  |
| Ty. Taurids    | Nov 4   | 10        | 10          | good                  |

## NORTHERN FM DX

## MARCH 1991

RICH SHAFAN'S REPORT continued.....

|   |   |
|---|---|
| 11/27/90 Tropo  | 12/8/90 MS/TDS  |
| 1939 unID 104.9 classical, likely WBOQ  | 0018 unID 107.3 Cool 107 FM (MS)  |
| 1945 WBCN 104.1 MA Boston, Radio 104 WBCN                                     | 0217 WARM 103.3 PA York, Warm 103, WPRB off                             |
| 1958 WCGY 93.7 MA Lawrence, thru WZMX   | 0230 WEAY 92.1 PA Natick, Eagles, ID                                    |
| 2115 unID 99.3 ment. Heritage Mall thru WMID                                  | 10 Tr/S   |
| 2236 WGTY 107.7 PA Gettysburg. This one came in quit often in December        | 0832 WSEN 92.1 NY Baldwinsville, WCNY in too                            |
| 2252 WYFT 99.7 VA Norfolk, trace  | 1455 WKOJ 92.7 NY Middletown, ID in car in N.                           |
| 28 Tr/S   | Bergen on side of hill facing west                                      |
| 0759 WQXA 105.7 PA York, top 40   | 14 Tr/S   |
| 1605 WCOD 106.1 MA Hyannis, WKLO in again to                                  | 1008 unID 99.3 lame/C&W u/WMMR, to NW                                   |
| DECEMBER 1990 DX  | 17 Tropo  |
| 2 Tropo   | 0741 WRGN 88.1 PA Sweet valley, Bible Quiz                              |
| 0142 WQHQ 104.7 MD Ocean City, strong Q-105                                   | 0751 WCTX 92.1 PA Palmyra, ID as X-92                                   |
| 1206 WRPR 90.3 NJ Mahwah, thru WHPC, ID                                       | 0800 unID 107.7 Y-107.7 to Northwest                                    |
| 1510 WDST 100.1 NY Woodstock, classical, ID                                   | Tunkhannock? (Yes, WYMK-gc)   |
| 1600 unID 100.1 Philadelphia vs Buffalo NFL game (WUFM a good possibility-gc) | 0808 WVOR 100.5 NY Rochester, local promo                               |
| 1300 WPCR 88.5 MA Amherst, ID   | 0811 WKLX 98.9 NY Rochester, Simon/Garfunkel                            |
| 1307 WPOB 88.5 NY Plainview, Frank Lorenzo                                    | 0828 unID 94.9 Steve Miller, maybe Utica                                |
| 2124 WQX 94.1 PA Sunbury, top 40, ID  | 1300 WCRB 100.5 MA Boston, ID   |
| 2203 WCMR 96.7 MD Easton, ID  | 1307 WPOB 88.5 NY Plainview, Frank Lorenzo                              |
| 22 Tr/S   | 0649 unID 103.3 WARM/WODS/WESR, WPRB off                                |
| 0910 WDNH 95.3 PA Honesdale, ID; WMRV in                                      | 28 Tr/S   |
| 2051 unID 95.3 Mount Pleasant? (MS)   | 1402 WIEF 90.5 NY Jeffersonville, ID with Sullivan County Weather, PSAs |
| 2313 WCTX 92.1 PA Palmyra   | 30 GW   |
| 8 Tr/S/MS   | 0930 WMUH 91.7 PA Allentown, Spanish prog.                              |
| 0001 WDLS 93.7 PA Dallas, ID, possible sign off                               |   |

Had to move on Sept. 4 to this new location after an attic fire forced us to move. The timing during my busy season and with the XYL 8 months pregnant couldn't have been worse. After living here two months and getting past election day (our company handles media and strategy for political clients), I put up a pair of Radio Shack cheapies stacked five feet apart. The results are amazing. I have picked up 15 new trop and ground wave catches in just a month and a half, despite this new location being 120 feet lower in elevation and with sharper rises to the North and West. The two antennas far outperform the Wineberg I had at my old house, particularly with nulls and front to back ratio. I also put up a longwire stretched NW/SE which measured about 100 feet with a terminating resistor of 560 ohms fed to a ground on the Northwest side. While this antenna has sharper gain to the Northeast than the stacked antenna. According to what I have read, shouldn't this gain be highest to the North and West? I would appreciate more information on other members' experiences with longwires. I have lots of room in the woods here to string all kinds of antennas.

## BRUCE HALL - 141 KING GEORGE ROAD - BRANTFORD, ONTARIO N3R 5K7

Equipment: same as before, distance is in Kilometres.

## JANUARY 1991 DX

3 MS (Quadrantids meteor shower)

2212 unID 94.3 CJSD or CRIQ. Ad for Bergin Harold with no GST tax on clothing. Wrote CJSD Thunder Bay to verify ad. If not played there I'm sure it's CRIQ Winnipeg, MB.

2241 WJFK 106.7 VA Manassas, John Cougar mix. tried for this since convention. Convention 91?

(Dunkirk, NY-gc) 552

2339 KFUQ 99.1 MO Clayton, Classic 99 KFUQ-FM

29th state logged 989

1 Tr/S

KYQG 99.1 KS Girard, r, calls, ex-Y-101. 1389

Let me change my comment in JAN 91 FCC PM NEWS from "maps somewhat useful" to extremely useful. If Bruce Elving didn't put 99.1 on this catch I may not have logged KYQG. Thanks Bruce for including that important piece of info on the step. 20th catch on 99.1. 73 - DB



STATION NEWS: 95.1 in Charlotte is no longer top 40 WZZG: They are now WGKL, Kool 95, and oldies. 107.3 in Anderson, SC is rumoured to be going to WWWM and adult contemporary.

**NORTHERN FM DX**

PETER Q. GEORGE (NTGGP) - 25 COLUMBIA ST 3rd floor - BROCKTON, MASS. 02401

(508) 584-0374, no collect calls please.

RECEIVER: SONY STR-VX750, modified with 150 kHz filters

ANTENNA: FM transmit "hole" at 60 feet AGL, 6 element yagi (both fed w/RG8U coax into CM amp.

1122/90 DX Thanksgiving Day (all stereo)

1115 WMNB 100.1 MA with Adams, beautiful mix-wanted

1121 WRTC 98.3 CT Hartford, black gospel mix

1124 WRCH 100.5 CT New Britain, AC/EZL, Lite 100.5

1125 WXGL 93.9 ME Lewiston, Eagle 91, oldies

1126 WCDQ 92.1 ME Sanford, AC/IGold, 92-CDQ

1128 WQW 100.1 MA Southbridge, local football game

1155 WHCF 88.5 ME Bangor, religious talk

1200 WAGY 102.1 MA Springfield, Rock 102

1202 WRK 96.1 CT Bridgeport, Classic AOR, 1-95

1211 WBQL 99.3 RI Block Island, Lite 100.5

1212 WCIZ 98.9 ME Brunswick, new age, EZL

2211 WQCB 106.5 ME Brewer, Country, Q-106

2219 WNYC 93.9 NY New York, Piano classical mix

2220 WTC 96.5 CT Hartford, CHR and a ROYAL mix

2223 WJY 94.3 ME Biddeford-Saco, EZL, Joy 94.3

2225 WSCR 99.9 NY New York, folk, acoustic mix

2229 WBLS 107.5 NY New York, urban contemporary

DEC 13 MS DX (Gemini) (all stereo except CRON)

2140 CBN 90.3 ON Thunder Bay, prev ES, CBC FF Man

2142 WSKG 88.3 NY Binghamton, growl trope, N.P.R.

2158 WDZQ 95.1 IL Decatur, country mix

2211 KXTR 88.5 MO Kansas City, classical mix

2259 WAYY 95.1 NJ Atlantic City, CHR, top 40

2339 WZL 95.1 WV Parkersburg, "Jack Gordon 50XH"

2349 CBN 12.5.1 ON North Bay, CBC FF Mono

DECEMBER 14 MS

0042 WJL 95.1 IN Fort Wayne, "men on the street on WJL"

0051 WLST 95.1 WI Marinette, "pharmacy in Marinette"

JANUARY 12, 1991 IT-3

1700 WGNA 107.7 NY Albany, County Favorites 107.7

1785 WRCH 100.5 CT New Britain, Lite 100.5 WRCH



Some fantastic tropes on Thanksgiving Day added zest to wonderful feast!!! Much wanted WMNB 100.1 MA, WKCR 89.9 NY, and WBLS 107.5 NY were heard at varying strength throughout the day. It was truly an event that kept me "swooshing" up and down the band into the wee-hours of the next morning. But the real event was the Gemini Meteor showers on the night of 12/13/90. I found that for my use, a ground plane cut for the FM band located well below rooftop level on a 3rd floor balcony far outperformed any rooftop antenna for meteor scatter reception. The reason being that by lowering the height AGL, many semi-local which would otherwise elide were effectively weakened to make MS reception more accessible especially on first adjacents. Needless to say I was not disappointed. In fact I gained two new states, Michigan and West Virginia.....I have recently moved, believe it or not to the house right across the street. Once again I lucked out with even better antenna privileges with a very sympathetic landlord. Day one of my new antenna farm yielded WGNA/107.7 NY and WRCH/100.5 CT. Surprisingly, these two signals are audible here almost 70% of the time. Considering that WXTS/107.9 (the famous "Kiss 108") is only 20 miles away, WGNA is truly one of my better achievements plus the fact there were less than favorable conditions at the time. Well that's it for another edition. Hope everyone had a wonderful holiday season. Not to be political, but.....whether or not you agree with the war in the Persian Gulf please remember our servicemen as they perform their duty for our country in Operation Desert Storm. Let's hope for a lasting peace on all sides in 1991. Until next time...73s!!! Pete

**MIKE CHERRY - BOX 631 - GANGES, BRITISH COLUMBIA V1S 1E0 (604) 537-5201**

Equipment: see previous VUDs @ = mobile, Toyota FM stereo receiver

DECEMBER 1990 DX

8. Aurora

2229 CBX 90.9 AB Edmonton, stereo service, 544

12 M.S.

0012 KYCS 95.1 WY Rock Springs, at all Southern Wyoming Subs..(ru)

13 M.S.

2048 KCMV 101.9 OR Ashland, (over CFUV)  
"ner at KCM..."

2155 KEMI 96.3 CA Bureka, "showers and an overnight low of 45 to 50 at Bureka's Lite"

14 M.S.

0614 KCJR 90.7 ID Twin Falls, "nd of Jerome Co  
Churches are presenting their annual performance of Handel's Me." prev Tr

This has been one of my best winters for Fld IDs via MS. There has been a little Es this winter, but MUFS never reached 88 Miles. Numerous unIDs during the Geminids and Quadrantids. The next major shower will be the Lyrids in April. Postal rates have gone up to 50 cents here in Canada, with sales tax being charged on stamp! I hope no club members will be offended if I cut down on my correspondence to individual members because of this. The "FM Athos" is indispensable when it comes to IDing slogans during broadcast meteor scatter bursts. 2 stations above would've been IDed without this info. Good DX...73s!!

MARCH 1991

**NORTHERN FM DX**

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082

OCTOBER 1990 DX

7 Tr

2040 WFAR 93.3 CT Danbury, 63 watts relaying a SW Portuguese broadcast (sounds like they held a mike next to a SW radio speaker). Then into Family Radio at 2300. A weak station on a rough frequency.

30 DW

1853 WBRO 99.7 MA Springfield, PIRATE with k or bluegrass and Mutual News. Sounds professional

**REPORT TO THE EDITOR**

This report will make me up to date through the end of 1990. I have just noticed that CKUE 101.1 has changed over to country music (Yep, but calls are CHEQ-gc). Also that WSHQ 103.5 (and 98.3) "Show FM" have switched to solid gold oldies. WGY-FM is also oldies. Can the market take two oldies stations?? Seems like the hottest formats right now are country and oldies. It will be interesting to see which way radio goes in the 90s. Happy New Year to all! Mike

ETV-DX Editor Bill Nienajadly of Clifton, New Jersey is kind enough to write to give us an update on what DX he has had recently. He was able to summarize January 1991 DX activity very quickly: "ZILCH! NOTHING! NADA!". Well, hope your DX fortunes have changed for the better by the time we read this, Bill. Bill also mentions working on more modifications that can be done to certain tuners, specifically: changing the digital step and

**GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NY 14221**

Equipment: Pioneer TX-9100 tuner (mod w/4 150 filtes), Archer 0-10-20 db FM only amp, Archerrotor and CAC-11 coaxial cable also used.

DECEMBER 1990 DX

11 Tr

2325 CKWR 98.7 ON Kitchener, rap\$ show  
Heard before but never IDed.

92

10 Trs

1016 WCIK 103.1 NY Bath, g\$ // 88.5, 89.1, etc  
One of my closest unheards until now. Verytough cause of CFPM-FM, even though CFPM is  
100 miles away, but its 115,000 watts

87

31 Trs (local WHIT-104.1 off)

1439 WIQF 104.1 CT Waterbury, Magic 104

1450 WNNK 104.1 PA Harrisburg, Wink 104

214 +unended WAEW, CCKT, WQAL, WXTR, WVGR

Have anything to do with antenna icing?

172

22 Trs

1526 WIEK 106.7 VA Manassas, calls heard



73. Greg

Not too much DX since the November tropic openings. There was some brief FM E-skip on December 26, to the Canadian Maritimes. I hear there was some good trop on February 8/9 that I missed. I hope other got in on this and look forward to hearing from reporters on this opening.

**STATION NEWS: WLRS 102.3 in Louisville, Kentucky is**

now "Mix" 102...In the Houston area, 106.9 is now KJZS.

jazz. KGLF 103.3 takes on the KJOJ calls...WEYE

104.3 Surgeonville, Tenn. is on with oldies, WJDT 106.5

Rogersville, Tenn is also on, with country. In Texas,

KQXY 94.1 is using "94-Q" as a slogan. 96.5 in Hamilton,

Ohio is now Z-rock. Thanks to George Greene and Matt

Sittel for some of this info.

**Things to do today**

Shovel the driveway

Clean out the basement

Fix the car

SENDINAREPORT!!!!

# SOUTHERN FM DX

Danny Runtin  
1312 N. Skyline  
Stillwater, OK 74075

March 1991

SOUTHERN FM DX IS FOR REPORTERS FROM: AL, AR, AZ, CA, CO, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT AND ALSO DC. Happy DXing!

Some reporters continued to have some luck with the trop and meteor scatter going into the new year. Farthest trop ranges out to around 500 miles this month. On 2/11 there was a rather brief encounter with off season skip. It won't be long now. The new DX season for 1991 is just around the corner and will be time to start checking DX conditions more regularly.

**Matt Sittel, P. O. Box 21347, 303J Wood Hall, NCSU, Raleigh, NC 27607 (919) 633-1153**  
Equip.: Yamaha TX-9000 tuner w/modified filters, Archer 6-bay FM antenna, rabbit ears, Archer FM signal amplifier.

-DX heard in Kingsport, TN 12/18/90 - 1/8/91. The above equipment except 6-bay were used.  
1/1 tr

|  |     |  |     |  |
|--|-----|--|-----|--|
| 12/19 CW,tr  |     |  |     |  |
| 1505 WJDT 106.5 TN Rogersville,k\$   | 31  | 1902 WAHR 99.1 AL Huntsville               | 268 |  |
| 1514 WGNI 102.7 NC Wilmington,calls  | 299 | 1/2 tr                                     |     |  |
| 1534 WHLZ 92.5 SC Manning, "Wheels"  | 246 | 1038 WQLT 107.3 AL Florence,"0107"         | 311 |  |
| 1554 WICB 106.7 SC Orangeburg, ID  | 224 | 1044 WCKM 102.7 FL Milton,in for 4 hours!  | 479 |  |
| 1830 WVFJ 93.3 GA Manchester, "The Joy FM" 274                                       |     | 1105 WIXT 98.1 AL Fayette,k                | 356 |  |
| 1843 WABE 90.1 GA Atlanta  | 216 | 1106 WHKJ 105.1 MS Kosciusko, "K105",k, ID | 463 |  |
| 1849 WTUA 105.9 SC St.Stephen, "Power 106" 256                                       |     | 1111 WFCM 107.9 MS Ackerman,g,area ad      | 434 |  |
| 1856 WVKR 102.9 GA Columbus,r,calls,in \$  | 313 | 1125 WALV 95.3 TN Cleveland,calls          | 168 |  |
| 1901 unID 88.5,89.1. Empty carrier on 89.1,<br>strange music on 88.5, Acted like Es. |     | 1126 WSIX 97.9 TN Nashville                | 246 |  |
| 1909 WGPC 104.5 GA Albany,poor audio,b   | 347 | 1134 WCVQ 107.9 KY Fort Campbell           | 276 |  |
| 1945 WCGQ 107.3 GA Columbus, "1070",r\$  | 313 | 1200 WVTI 89.1 VA Roanoke,strongest ever   | 158 |  |
| 1956 WHMA 100.5 AL Anniston, "Alabama 100"   | 264 | 1206 WBLH 91.3 AL Florence,b,ads?,\$       | 311 |  |
| 2015 WBYZ 94.5 GA Baxley,"Z 94",k  | 322 | 1208 WQSB 105.1 AL Albertville,calls       | 256 |  |
| 2038 WBFB 98.1 GA Folly Beach, "98 Rock"   | 298 | 1303 WUIC 88.1 TN Chattanooga, ID,j        | 186 |  |
| 2047 WPEZ 107.9 GA Macon,\$  | 257 | 1329 WJTG 91.3 GA Fort Valley, "Joy 91"    | 279 |  |
| 2054 WRHH 92.1 SC Parria Island,area ad  | 297 | 1357 WOOW 107.3 FL Pensacola, "Wow 107",k  | 496 |  |
| 2059 WJTG 91.3 GA Fort Valley, "Joy 91"  | 279 | 1417 WWSF 98.1 AL Andalusia, "98 Surf FM"  | 420 |  |
| 2113 WLXJ 102.5 SC Charleston,over WMMI!! 290  |     | 1436 WFTD 103.5 TN Nashville               | 246 |  |
| 2125 WAYS 99.1 GA Macon, "99-Ways",finally 257                                       |     | 1831 WKXK 106.7 AL Enterprise, "Max 106.7" | 402 |  |
| 2141 WPER 92.1 GA Louisville,local ad  | 237 | 1901 WLRH 89.3 AL Huntsville, ID           | 268 |  |
| 2153 unID 94.1 "Power 94",r. WFSM?   |     | 1942 WBYZ 94.5 GA Baxley,"Z 94"            | 322 |  |
| 2212 WSSX 95.1 SC Charleston, "95-SX"  | 290 | 1949 WKBX in briefly again...              |     |  |
| 2221 WKMX 106.7 AL Enterprise,calls,r  | 402 | 2131 WCNG 102.7 NC Murphy                  | 125 |  |
| 12/20 tr   |     | 1/3 tr                                     |     |  |
| 0859 WRVL 88.3 VA Lynchburg, ID,g  | 197 | 1258 WGNI 102.7 NC Wilmington,local ad     | 299 |  |
| 12/26 tr   |     | 1/4 tr                                     |     |  |
| 0927 WCNG 102.7 NC Murphy,rm   | 125 | 0532 WKQD 103.9 KY Whitesburg, "K 104",k   | 53  |  |
| 12/30 tr   |     | 1/5 tr                                     |     |  |
| 0000 WSIX 97.9 TN Nashville,k  | 246 | 2043 WGNI 102.7 NC Wilmington, "103 GNI"   | 299 |  |
| 1035 WOLD 102.5 VA Marion,calls  | 63  |  |     |  |
| 2155 WCGQ 107.3 GA Columbus,calls  | 313 |  |     |  |
| 12/31 tr   |     |  |     |  |
| 0950 WAVF 96.1 SC Hanahan, "96 Wave"   | 280 |  |     |  |
| 2047 WQLT 107.3 AL Florence,calls,\$   | 311 |  |     |  |
| 2059 WFKS 102.3 TN Soddy-Daisy, "Fox 102"  | 170 |  |     |  |
| 2231 WKQD 93.3 TN Tallahoma, "Power 93",rp220  |     |  |     |  |
| 2234 WBYZ 94.5 GA Baxley,in \$ for 4 hrs!  | 322 |  |     |  |
| 2237 WHFX 103.3 GA Waycross, "Fox 103"   | 360 |  |     |  |
| 2249 WBGX 102.5 GA Waycross,calls,k  | 360 |  |     |  |
| 2259 WBDX 102.7 GA Trenton   | 199 |  |     |  |
| 2314 WGCO 98.3 GA Jesup, "Coast 98.3"  | 336 |  |     |  |
| 2333 WYCO 102.9 TN Shelbyville,k   | 230 |  |     |  |
| 2351 WKXJ 97.3 TN South Pittsburg, "97Kir" 204                                       |     |  |     |  |
| 1/1/91 tr  |     |  |     |  |
| ...great tropes ring in the new year!  |     |  |     |  |
| 0010 WDNC 99.5 GA Douglas, "Magic 99",=  | 341 |  |     |  |
| 0035 WCVQ 107.9 KY Fort Campbell, "Q 108"  | 276 |  |     |  |
| 0056 WBVR 101.1 KY Russellville  | 243 |  |     |  |
| 0112 WGLF 104.1 FL Tallahassee, "Gulf 104" 426                                       |     |  |     |  |
| 0119 WKDF 103.3 TN Nashville, "103 KDF"  | 246 |  |     |  |
| 0150 unID 105.1 "Z105",set.oldies  |     |  |     |  |
| 0159 WBLN 93.7 KY Murray, ID   | 323 |  |     |  |

And I accidentally forgot the best logging of all, from 1/2/91:  
1121 WAZF 93.7 MS Yazoo City,calls

514  
The tropo that I heard over the holidays in Kingsport was definitely the best stretch of tropo DX I've ever heard! The opening on 1/2 is 2nd only to the great Thanksgiving '86 DX in strength of signals from so far away. I finally heard my most-wanted state,Mississippi, which has eluded me for years. WAZF is my furthest tropo ever from Kingsport, and is the furthest FM tropo I've ever DX'd from any location! All of this using mostly just the rabbit ears and the amplifier!

I guess this made up for the November tropo I must have missed, because I didn't bring my tuner home over Thanksgiving!

Not much to report from Raleigh as of yet. My new room is 2 floors below my old location, so there could very well be some loss of DX. Hopefully not, though!

Best of DX to all and 73's, Matt.

## SOUTHERN FM DX

MARCH 1991

John M. Jefferson, 4104 Spyglass Court, Antioch, CA 94509-6051

Well, 1990 ended a bit better than it started. A few items from here plus a visit to my brother's in Alexandria to report on. All Antioch loggings were done with the main system - MRBO & Channelmaster 8/probe-9 at 35'. @ indicates new to Antioch. # indicates the Blaupunkt car radio, in Castro Valley - a new logging, but non-counting as it's outside of the Diablo Region. The site was my Dad's driveway, & couldn't get the station on his JVC receiver with a 6-element FM yagi aimed right at it. Too much overload from KOMO 98.5 & KROR 97.3, apparently.

| TIME        | CALLS | FREQ | SI            | CITY | DIST REMARKS                     |
|-------------|-------|------|---------------|------|----------------------------------|
| 12/31/90    | GW    |      |               |      |                                  |
| 1649 KTID   | 100.7 | CA   | San Rafael    |      | 36 From 100.9                    |
| 11/4/90     | WB    |      |               |      |                                  |
| 0430 KYXO   | 103.9 | WA   | Spokane       |      | 605 KAAR (primary)<br>Tent calls |
| 0319 KSWO#  | 105.5 | ??   |               |      |                                  |
| 11/25/90    | TR    |      |               |      |                                  |
| 0602 K220CQ | 91.9  | CA   | E. Lake Tahoe |      | 120 // KNIB;<br>KLVR off         |
| 11/28/90    | IB    |      |               |      |                                  |
| 0201 KAVC   | 105.5 | CA   | Rosamond      |      | 295 Calls                        |
| 12/1/90     | WB    |      |               |      |                                  |
| 0147 KCLKG  | 94.1  | WA   | Clarkston     |      | 635 Calls                        |
|             | TR    |      |               |      |                                  |
| 1114 KKMR   | 100.9 | NV   | Sparks        |      | 150 Calls; KSGO off              |
| 12/2/90     | WB    |      |               |      |                                  |
| 0412 CISN   | 103.9 | AT   | Edmonton      |      | 1155 Red Deer;<br>Kissin'        |
| 12/9/90     | WB    |      |               |      |                                  |
| 0006 KTIE   | 107.1 | CA   | Bakersfield   |      | 230 Calls                        |
| 12/13/90    | WB    |      |               |      |                                  |
| 1044 CKIK   | 107.3 | AT   | Calgary       |      | 1005 Kick FM                     |
| 1104 KSLT   | 107.3 | SD   | Spearfish     |      | 1000 Calls                       |
| 12/14/90    | WB    |      |               |      |                                  |
| 0700 KUGN   | 97.9  | OR   | Eugene        |      | 430 Calls                        |
| 0715 KCCY   | 97.9  | CO   | Pueblo        |      | 930 "                            |
|             | TR    |      |               |      |                                  |
| 2300 KWHD   | 100.9 | CA   | Weed          |      | 225 ID; KSGO off                 |
|             | SL    |      |               |      |                                  |
| 2306 K265CV | 100.9 | CA   | Fremont       |      | 40 // 91.9                       |
| 1/6/91      | SL    |      |               |      |                                  |
| 2100 KSGQ#  | 96.1  | CA   | Morgan Hill   |      | 50 ID (new)                      |
| 1/8/91      | TR    |      |               |      |                                  |
| 1013 KLX    | 104.7 | OR   | Florence      |      | 440 Calls; KSGN off              |

Never thought I'd hear KWHQ here. To begin with, they had been off for years, and their -360' set didn't sound promising. Turns out they've been back for over a year with an all-new facility. They now have 100 watts 1440' set (over 5000' amsl). They're co-sited with K257CA Mt. Shasta, which I heard in April '89.

Very kind of KSGO Tracy to die 12/1 (not to mention 12/14!). Eric Gundius was over to test his modified receiver against the MRBO, so both of us listened for KRDJ Sparks for about 45 minutes. Finally got 3 KKMR calls in rapid succession without the city, & called Sparks information to confirm the call change. Bone is the new am format, replaced with earwash.

Didn't catch much in Alexandria. My brother's Kenwood was a fair receiver in '87, but these days it can't get the DC stations 5 miles away in decent stereo. I think there's a broken wire in the antenna input. Did log 73 stations with my Sony ICF-2001. Those who are familiar with the 2001 will probably agree that's a pretty good 1-week (winter) catch for such junk. Best was WMYK 93.7 Elizabeth City NC at 180 miles (heard at 93.5 as WKYS 93.9 DC totally swallowed 93.5 as well as 93.7). Wish there were a way to ret the MRBO back there for some serious logging!

Doug Allen, w2crs, P. O. Box 5646 Woodland Park, CO 80866

Equip.: Pioneer TX 9800 (IF modified) & stacked Stereo Probe 9's at 23°.

1/3 ms

0000 KABL 98.1 CA San Francisco, ID  
0227 WOLR 106.5 MI Kalamazoo, "Lite 106.5 WOLR", possible new freq. DX record! 1049  
0231 WLJY 106.5 WI Marshfield, local Marshfield ads  
0719 KMFY 96.9 MN Grand Rapids, ID  
0730 KQKL 106.5 LA New Roads, "music station Q-106"

1/3 ms  
1152 ? 97.7 ? "Midway 97-0"  
1200 ? 97.7 "laser sound W2??..Wooster Braun"  
1205 KLGR 97.7 MN Redwood Falls, local wx  
1/21 tr & ms  
0910 KDLY 97.5 WY Lander, most wanted occ. over KBCC sloop  
0912 KGTY 97.5 CA Santa Barbara, "Y95"

Except for the Quadrantids shower, I did little FM DXing, but a lot of ham DXing on 40, 80, and 160 with a Hytower put up just before Thanksgiving. Occasional enhancement noticed out to 100 miles, and the Wichita and Enid regulars came through as usual. For the first time, I taped some ms January 3rd while running ms on two meters. The "Midway 97-0" occurred as I was working a Green Bay station on a good burst. Unfortunately, my two meter signal interferes with the FM, so I have some garbled stuff on the tape during many bursts.

Welcome to new member, Connecticut FM and TV DXer Ed Hanlon, who may have come up with a better FM antenna than the Probe 9 standard. He's taken two Antennacraft 10's and made one long boom Antennacraft 13 out of them. He's had one up for 10 days and reports superior gain and directivity compared to his old FM 10. (Good, we could use an alternative to that coatly,wind catching #445 Smith Aerial, now. DB) He'll have a second one up soon. Since I would love to have an antenna with the Probe's gain(or better)and with the good front-to-back of the Antennacraft 10, I'm eagerly awaiting your report to VUD, Ed! I solicited information and comments on meteor scatter DXing from several prominent DXers who use the mode a lot. Thanks for your replies which will be incorporated into an article next month. Would love to hear from others about ms DXing on FM or TV. 73.

Keith D. Pugh, 227 Martin St., New Hope, AL 35760

Equip.: McIntosh MR-78, Probe 9

1/10 trs

1401 WSCZ 96.7 SC Greenwood, k, ID  
2/1 Es  
1916 unID 90.5 g., west  
1925 KZDR 94.1 NM Hobbs, ID  
1927 KTXT 88.1 TX Lubbock, rp  
1942 KTGM 99.9 NM Clovis, Magic 99  
1946 KQIZ 93.1 TX Amarillo, r, Z-93  
1948 KZCV 89.9 TX Amarillo, pr

2/1 Es  
1950 unID 103.3 SS, KY Fried Chick.ad  
1954 KLYT 88.3 NM Albuquerque  
2012 KFLQ 91.5 NM Albuquerque  
2014 KBACT 98.1 NM Las Vegas, ment xltr on something ".5" in Albw. NM  
2/4 tr  
1800 WLNE 96.1 AL Montgomery, b, S

Christopher S. Dunne, 21500 Johnson St., Box 533, Pembroke Pines, FL 33029

Equipment: GE Superadio II mod w/ 150kHz filter/whip antenna/Radio Shack 6-element antenna.

1/18 tr

1200 unID 104.5 BAHAMAS Nassau,  
"1-oh-4-5" 235

1/20 tr

2059 WPCSt 89.5 FL Pensacola,  
ment "8 o'clock" (CST) 500  
2159 WMZ 93.7 FL Ocala, ID 230

"Thank, Matt Sittell! I have a foreign FM right under my proboscis & didn't even know it! Matt mentioned hearing the Bahamas @ 104.5 & I thought it should've been Jamacia instead. Sure enough @ 12 noon (!!) I heard mention of Bahama & local ads when they weren't relaying CNN Gulf War news. I called ZRS Nassau & spoke to Charlene who explained that this station is a.k.a. "Radio New Providence" and that it runs "about 10,000 watts". This is Country #9 for me! Thank again Matt..."

Quickly, some FL FM news. 94.3 Marathon now WGMI, still b. WGUF 92.7 now b. (Marco is near Naples; 2 FM's in same market with b format?!) 99.3 Ft. Myers Beach now op, I dunno if calls have changed. WEEJ 100.1 called "Coast" - that sounds familiar! WKLG 102.1 has been OFF the air for days now. Don't know why. Dr. Elving should have the other particulars.... (c.u. = Call Unknown.)

73s in '91,

SFM's editor's comments: It will be interesting if some body ever tries out the Galaxy 23 Smith Aerial. I don't want it since I'm afraid the massive thing would blow down in the event of a windier than usual Oklahoma thunderstorm. Main Audio offers a smaller very similar Smith model for \$195. It's spec's still well outdo the Probe 9 though the beamwidth is little better.....Local KOSU has yet to move to it's new tower as of Feb. 15....Hope-everyone is preparing for the new DXing season, if not ready, ready for it. 73.

+++++

Fred McCormack  
Box 17860  
St. Paul MN 55117-7860

Deadline: 04-11-91  
Cut-off: 01-01-91

# WESTERN TV-DX

March 1991

CLARIFICATION - Mike Reid has advised me that he was misquoted in the December 1990 column. According to Mike, he did not say that W699P was the only WSKG translator on channel 69. What he said was that he believed the W71AI group in New York was gone and that W71AI itself is gone.

New \_\_\_\_\_ New Mode \_\_\_\_\_ Tent. - t Unidentified - unid S/On - + S/off - =  
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - #  
Parallel Programming - // HTS Stereo - #

BN Baja California Norte

Jeff Kruszka, 2824-E Steamship Circle, Harahan LA 70123

CST

**Equipment:**

Sylvania 12" black and white, quad loop cut for channel 2, Radio Shack U-75 corner yagi. Mitsubishi HS-U31 VCR.

|                           |                          |                          |
|---------------------------|--------------------------|--------------------------|
| November 1990             | 1 tr 1857 KLRT 18 AR 361 | 2 tr 0026 WMOA 32 AL 286 |
| 25 tr 0913 WCOV 20 AL 283 | 2200 KETS 9 AR 322       | 0029 WPTY 24 TN 363      |
| 0931 WDBB 17 AL 294       | 2202 WJQT 41 AL          | (New state)              |
| unid channel 17           | 2224 KXLN 45 TX 319      | 0030 WDBB 17 AL 294      |
| ( See Note # 1 )          | 2228 unid 49 Spanish     | 0046 unid 46 religion    |
|                           | unid channel 52          | 0602 OKLRT 16 AR 361     |
| January 1991              | 2339 KBVO 42 TX 464      | 0826 KLTL 18 LA 170      |
| 1 tr 1845 KTHV 11 AR 361  | 2 tr 0016 KXAN 38 TX     | 0700 WJSP 28 GA 380      |

From Elyria OH (EST)

**Equipment:** Panasonic CTF-1011 10½" color TV, rabbit ears

|                             |  |
|-----------------------------|--|
| December 1990               | 26 Es 1541 unid ch 2 French (w/"Smurfs") |
| 26 Es 1500 CJCBt 4 MS       | 26 Es 1541 unid ch 2 French (w/"Smurfs") |
| 26 Es 1452 unid 2, 4, 6 CTY | CJCBt 6 MS ATW                           |
| (Channel 4 // 6)            | 1534 WLZ 2 ME 685                        |
|                             | 1800 CKND2 2 MB 1060                     |
|                             | 1900 KGFE 2 NO 870                       |

Note # 1 - Saw what looked like "2-WLTW" on bottom of screen - doesn't make much sense, though.

Saw a nice E skip opening to the Maritimes while I was at my parent's house, and a great tropo opening to start off the new year (I only wish it would have come one day sooner!). Needless to say, I was pretty tired my first day back at work the following day. The Tourist Channel is operating on channel 56 here, with calls K55EX. They have a pretty good signal now to Harahan. Happy New Year to all.

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228-2744

CST

**Equipment:**

1980 model 9" J.C. Penney b&w (with VHF/UHF tuner from 1976 unit), sometimes RCA 13" (1987) color model EMR380E for UHF. Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor.

|                         |                          |                          |
|-------------------------|--------------------------|--------------------------|
| November 1990           | 23 tr 0935 KPLC 7 LA 340 | 22 Es 1627 WCIA 3 IL 930 |
| 1 tr 0128 KPLC 7 LA 340 | 0159 KFDM 8 TX 280       | 1830 KGAN 2 IA 960       |
|                         | 6 Es 2229 KVBC 3 NV 1050 | 1929 WFMY 2 NC 1175      |
|                         | 9 tr 2359 K33QK 33 TX 15 | 1952 WSB 2 GA 885        |
|                         | (San Antonio LPTV)       |                          |

A really poor winter E skip season in these parts. The morning of December 9th the 9" black & white developed power supply problems, and a Wards 12" black & white model GEN11235 (1984 vintage), with much poorer selectivity, has since been in use. 73, Pat, WASIYX

## Western TV-DX

April 1988

John Jefferson, 4104 Spyglass Ct., Antioch CA 94509 (415-778-8721)

PST

## Equipment:

Hitachi CT-932 fed by a Channel Master UHF Quantum 4257 @ 35' and a Channel Master VHF/FM Quantum 1110 @ 32' on the same mast. Separate downleads with a Channel Master booster on the UHF. Panasonic VCR.

November 1990

15 tr 2128 K15CX 15 CA 130 Chico KRCA ID

December 1990

3 gw 2013 K52CK 52 CA 28 Stockton Calls; TP

KBCP-30 Paradise took to the-air in late October testing, and has been running Home Shopping Club since November. Channel 30 had to be the worst possible channel for me (other than the Sacramento channels, which FCC spacing rules preclude using), right between KCNY-29 and KRBK-31, as well as cochannel with KFSN-30 Fresno. Paralleling KCNY certainly doesn't make them easier to spot! For those reasons, K15CX is far easier to pick out than cooleted KBCP. K52CK is a new local (sigh), still running their test pattern over a month later. At least the calls are big and readable, though no hint of city. Maybe they'll fold without ever finding something to broadcast, as K61DW Sacramento appears to have done.

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

## Equipment: February 1991 Western TV-DX

|                           |                          |                           |
|---------------------------|--------------------------|---------------------------|
| December 1990             | 1 tr 0300 WAAY 31 AL 503 | 1 tr 0505 WZDX 64 AL 503  |
| 31 tr 2210 KPOM 24 AR 513 | 0325 WXMT 30 TN 408      | 0508 WHNT 19 AL 503       |
| 2215 KHOG 29 AR 463       | 0410 WVSB 27 MS 558      | 0600 WAFF 48 AL 503       |
| 1 tr 0205 WTTO 21 AL 582  | 0455 #WBHQ 13 KY 359     | 13 tr 0315 KSNF 16 MO 413 |

Had tropo on New Years Eve to nearly 600 miles. Finally logged Bowling Green channel 13 at 359 miles. They run color bars and ID from 0455-0500. Five closer channel 13 stations were absent. 550 mile lower powered Asheville channel 13 has been seen many times at nearly the same heading. They run test pattern and ID earlier from 0415-0430.

Dennis Park Smith, 3703 Dixon Street, Santa Barbara CA 93105-2419

First, an update on Wasco observations: On a weekend there on 29-30 December 1990, K66CQ O'Neill (HSC for Fresno area) was noted using "KHST-TV-68" ID, quite frequently. If it's used this ID before, it is first time I've run across it. It still IDs real call in Morse Code.

Santa Barbara is somewhat limited by geography, particularly along north side with a 3000 foot wall over our heads, the Santa Ynez Mountains of the coastal ranges, but ocean from west through south to southeast.

Santa Barbara DX efforts are kind of hit and miss as we don't have outdoor antenna yet. Indoor antennas are rabbit ears and bowtie. Locals include Santa Barbara's KEYT 3 (15 miles), K24AO (for KEYT 3), K59CD (KSBY 8 San Luis Obispo), K81AI (KCET 28 Los Angeles), K85BP (FamilyNet) (all approximately 3 miles), and nearby west Santa Barbara/Goleta K55AP (KCET 28) (15 miles). Only KEYT 3 has enough punch to be snow free indoors; others can be very good but are snow free only if TV is taken outside on extension cord.

All Los Angeles Vs and Us are practically nonexistent on indoor antennas at street level; there can be a little more signal in a second story indoor level from extra height and less ground absorption, but still quite weak over irregular terrain at 95 miles: KCBS and less ground absorption, but still quite weak over irregular terrain at 95 miles: KCBS 2, KNBC 4, KTLA 5, KABC 7, KCAL 9, KTTV 11, KCOP 13, KWHY 22, KCET 28, KMEX 34, KTBN 40, KHSC 48, KVEA 52, KLCS 58. These are good with three and four bay conicals and similar all channel fringe antennas, with some variation in different parts of town.

Also in, but always weak, is K53AT Buellton (KTBN 40) (15 miles); I think transmitter is with K55AP, but is directional the other way. And, KADY 63 Oxnard (35 miles) is fair, but not watchable on present set-up; it is probably good outdoors.

Then there is San Diego/Tijuana, a virtually all-water path which, along with air inversion layers, allows fairly strong signals quite often. (Even 5 KW San Diego AM radio is consistently stronger than 50 KW Los Angeles at half the distance.) With indoor antennas, they can be not quite snow free, but it wouldn't take much of an outdoor antenna. KFMB 8, KGTV 10, (175 miles), KPBS 15 KNSD 39 KUSI 51 KTTV 69 (185 miles), and XETV 6, XEWT 12 Tijuana (200 miles); somewhat weaker on average (but stronger audio)

## Western TV-DX

April 1988

Dennis Park Smith (continued)

are XHAS 33, XMBJ 45 Tijuana (200 miles). Also in occasionally is CCI on local 59, probably from K59AL (for KPBS 15) University of California-Diego/Torrey Pines (170 miles).

The Juke Box Network hit this area on 1 December 1990 with K15DB Santa Barbara. Although legally distant enough from other channel 15s, they couldn't have picked a worse channel because of propagation. KPBS 15 San Diego comes in often and strong enough that the CCI can be tremendous. K15DB had a good signal strength, at approximately 3 miles. I say "had" because, around 16 January 1991, it went off the air and hasn't been back on. See Television News column for interesting details.

Next time, a look at my new Realistic battery LCD TV receiver. Best of DX.

Mike Cherry, Box 631, Ganges BC V0S-1EO (604-537-5201)

PST

## Equipment:

Kenwood RZ-1 receiver, channel 6 crystal trap. Hitachi 5" black & white monitor, Sony Beta Hi-Fi MTS VCR. Antennas: VHF - Lindsay CC-30 22 element log-periodic with Dalco EID-35V 28 dB mast-mount preamplifier @ 38 feet with "ARM-strong" rotor. UHF - Radio Shack 4 bay with 15-1108 adjustable mast-mount preamplifier @ 57 feet ast/agl. Archer 15-578 variable signal attenuator.

December 1990

|                            |                                    |
|----------------------------|------------------------------------|
| 19 tr 1124 K54AO 54 MA 96  | 10 tr 2340 KTNN 31 WA 279          |
| (Bremerton KIRO-7)         | 2357 KEPR 19 WA 275                |
| 8 F2 1712 NZTV 45.240 MHz  | 21 Es 1000 KLINE 3 NE 1311         |
| 11 F2 1850 NZTV 45.240 MHz | 31 Es 2000 KNOP 2 NE 1224          |
| 1723 TVQ 46.170 MHz        | 4 ms 0300 SFAC 2 AB 438            |
| 1732 unid 46.25 MHz        | 9 tr 0611 KNMT 24 OR 234           |
| 13 Es 1100 KNTV 3 NE 1428  | 0631 KTF 32 OR 335                 |
| 1159 KTVB 3 CO 1150        | 0657 KPDX 49 WA 232                |
| 1200 KWGN 2 CO 1098        | (Local LPTV ch49                   |
| (Over CBUT-2)              | off for 3 days)                    |
| 1930 KSNW 3 KS 1502        | 10 tr 2329 KPDX 49 WA 232          |
| 14 ms 2127 KDLO 3 SD 1245  | 2334 Yakima & Tri-Cities 26,42,35, |
| 0700 KTVU 2 CA 769         | Offices 26,42,35,                  |
| 0833 KOTI 2 OR 476         | 17 Es 0700 KTVB 3 CO 150           |
|                            | and 47 - weak                      |

F2 noted also on January 10th and 11th, but high MUFs and long-haul conditions weren't possible. Video sync buzz only on all F2 loggings.

Channel 2 meteor scatter loggings are thanks to the recent cutbacks at the CBC - local CBUT doesn't sign-on until 0900 local. Even the colour bars don't show up until about 0845.

Winter E skip was better on TV than last year. Congrats to all members who have been logging this mode at Halloween and other abnormal times! E skip never hit FM - it's been since winter 1987.

Postal rates in Canada have gone up to 48¢ + 4¢ sales tax to the US (was 46¢). Because of this, I will be drastically cutting back on personal correspondence to various WFTDA individuals. Sorry people.

My ham calls still haven't arrived. I am acquiring an ICOM 6 meter (50 MHz) rig and plan on building a video-demodulator for TV DX between 40-56 MHz. The ICOM will have much better sensitivity and selectivity than my Kenwood RZ-1 which will then be primarily used for E skip on VHF-lo and UHF TV. E skip this morning (January 17th) was a nice treat. 73's, Mike

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CST

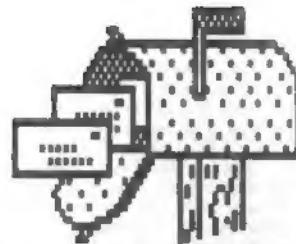
## Equipment:

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Teknika 6510 tuner, Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier; Alliance rotor.

January 1991

|                           |                          |                          |
|---------------------------|--------------------------|--------------------------|
| 12 tr 1948 KDSM 17 IA 385 | February 1991            | 2 tr 0110 K51DC 51 MN 50 |
| 1958 KRIN 32 IA 395       |                          | (Erhard LPTV)            |
| 2029 KVIN 24 IA 310       | 2 tr 0112 K31CH 31 MN 50 | 0120 K41CS 41 MN 50      |
| 13 Es 0928 KDKA 2 PA 945  | 0118 K43GS 43 MN 50      | (Erhard LPTV)            |
| unid ch 3 NBC             | (Erhard LPTV)            | 0121 K39GJ 39 MN 50      |

Probably not the best of news, finding five new 16 KW LPTV's operating only 46 miles from my antennas and in a prime DX direction! Just testing - programming unknown.



**YOUR COMMENTS  
AND CRITICISMS  
ARE WANTED..  
AND ALWAYS  
WELCOME AT P.O. BOX  
514, BUFFALO, NY  
14205-0514 U.S.A.  
IF YOU WANT A  
REPLY, PLEASE BE  
SURE TO INCLUDE A  
SELF-ADDRESSED  
STAMPED ENVELOPE  
...HELP US SERVE  
YOU BETTER!**



## STATION BREAK

WTFDA  
P.O. Box 514  
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

**FOR SALE - SANGEAN ATS-808 portable PLL LW/MW/SW/FM radio. Covers 150 to 29999 kHz. FM section: 87.5 to 108 MHz in 50 kHz steps, stereo through 'phones. 5\* overall value rating in '90 WRTB (p. 568). Excellent condition, bought last February and used only occasionally. Cost \$230, sell for \$125 (I'll pay shipping).**  
Ted S. Liszewski - 182 Farview Avenue - Paramus NJ 07652

**WANTED - Back issues of YUD. All 1970 issues, January thru April '72, January 1976. Contact Mike Hollis at (904) 243-6026 or write:**  
Michael Hollis - 40 Lakewood St.- Mary Esther FL 32569

**FOR SALE - TV GUIDES, 1953-1991. Every issue available. Any article located. 60 page illustrated catalog \$3.00 (refundable).**  
Jeff Kadet - Box 20-YUD - Macomb IL 61455

WTFDAers: YOUR ad can appear in the YUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WFTDA and the YHF-DHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

## SPECIAL REPORT

MIKE CHERRY and DAVE SINCLAIR- Saturday, September 15, 1990

LOCATION: Mt.Bruce, Salt Spring Island, British Columbia ELEVATION 2385' ASL

PROPAGATION: very weak tropo on 300+ miles no local or semi-local enhancement

EQUIPMENT: 1990 Toyota ETR FM Stereo with stock whip and Realistic #12-1875 10db amp -

|   |  |   |
|---|--|---|
| 88.3 \$ KBVM OR Portland                    | 95.5 \$ KXL OR Portland                  | 103.5 \$ CHQM BC Vancouver  |
| 88.5 \$ KPLU WA Tacoma                      | 95.7 \$ KLTX WA Seattle                  | 103.7 \$ KBRD WA Tacoma   |
| 88.7 \$ K204** WA Bellingham<br>(xtr KPLU)  | 96.1 \$ KXXO WA Olympia                  | 104.3 \$ KAFE WA Bellingham   |
| 89.1 \$ KMHD OR Portland                    | 96.5 \$ KXRX WA Seattle                  | 104.5 \$ CBYT BC Campbell River   |
| 89.3 \$ KUGS WA Bellingham                  | 96.9 \$ CKKS BC Vancouver                | 104.7 \$ KDUX WA Aberdeen   |
| 89.5 \$ KHNC WA Seattle                     | 97.1 \$ KKSN OR Portland                 | 104.9 \$ CKSR BC Abbotsford   |
| 89.9 \$ KBPS OR Portland                    | 97.3 \$ KBSG WA Tacoma                   | 105.1 \$ CBU-FM2 BC Sooke   |
| 90.1 \$ KSVR WA Mt.Vernon                   | 97.7 \$ CBUF BC Vancouver                | 105.3 \$ KCMS WA Edmonds  |
| 90.3 \$ KCMU WA Seattle                     | 98.1 \$ KING WA Seattle                  | 105.7 \$ CBU-FM BC Vancouver  |
| 90.5 \$ K213BA WA Bellingham<br>(xtr KUOW)  | 98.5 \$ CFMS BC Victoria                 | 106.1 \$ KRPM WA Tacoma   |
|   | 98.9 \$ KEZX WA Seattle                  | 106.3 \$ K292AL WA Everett<br>(xtr KLTX)                                      |
| 92.9 \$ KVTF1 WA Clover Park                | 99.3 \$ CFOX BC Vancouver                | 106.5 \$ KLYN WA Lynden   |
| 91.3 \$ K217AY WA San Juan Is<br>(xtr KPLU) | 99.9 \$ KISW WA Seattle                  | 106.7 \$ KMJK OR Lake Oswego  |
| 91.7 \$ KTPS WA Tacoma                      | 100.3 \$ CKKO BC Victoria                | 106.9 \$ KKNW WA Brewerton  |
| 92.1 \$ CBU-FM1 BC Victoria                 | 100.7 \$ KSEA WA Seattle                 | 107.1 \$ CISQ BC Squamish   |
| 92.5 \$ KLSY WA Bellevue                    | 101.1 \$ CFMI BC New Westminster         | 107.5 \$ CISC BC Sechelt  |
| 92.9 \$ KISM WA Bellingham                  | 101.5 \$ KPLZ WA Seattle                 | 107.7 \$ KMGI WA Seattle<br><u>Stations via tropo:</u>                        |
| 93.3 \$ KUBE WA Seattle                     | 101.9 \$ CFUV BC Victoria                | 89.7 \$ KLCC OR Eugene  |
| 93.7 \$ CJUR BC Vancouver                   | 102.1 \$ CBUF1 BC Chilliwack             | 94.5 \$ KATS WA Yakima  |
| 94.1 \$ KMPS WA Seattle                     | 102.5 \$ KZOK WA Seattle                 | 91.1 \$ KPBX WA Spokane   |
| 94.3 \$ KKEE WA Long Beach                  | 102.7 \$ CFRO BC Vancouver               | 107.3 \$ KFFM WA Yakima<br>all much weaker than normal<br>no long range tropo |
| 94.9 \$ KUOW WA Seattle                     | 102.9 \$ KMNT WA Centralia               |   |
| 95.3 \$ KGHO WA Hoquiam                     | 103.1 \$ K276AC WA Everett<br>(xtr KSEA) |   |
|   | 103.3 \$ KKCW OR Beaverton               |   |

# ANNOUNCING

## THE ASSOCIATION TO PROMOTE 49 MHZ

The Association to Promote 49 MHZ has been formed to generate and continue interest in the no-license required 49 MHZ band covered by Part 15 of the FCC's Rules and Regulations.

This is one of the few sections of the radio spectrum in which one can operate without a FCC license, providing one follows rules regarding transmitter power, antenna, et al.

If you are interested in the 49 MHZ band, then you should join The Association to Promote 49 MHZ; formed in February 1991, its goals include:

- issuing unique W49 and K49 identifiers, resembling FCC callsigns, to 49 MHZ operators;
- publishing a regular journal on all aspects of 49 MHZ band operation, listening and equipment;
- publishing a directory of active 49 MHZ operators;
- promoting operation and experimentation in the 49 MHZ band;
- combining efforts with a hobby electronics manufacturer to bring onto the market a quality 49 MHZ transciever.

If any or all of this interests you, then please send \$10.00 to:

Michael Goetsch, Publisher  
The Association to Promote 49 MHZ  
P.O. Box 626  
Edgewater Branch  
Lakewood, OH 44107-0626

Initial membership dues include a 49 MHZ operator's identifier & certificate, the newsletter for a one-year period, and one edition of the 49 MHZ band operators' directory. All membership dues go towards operation of The Association. Also, all individuals are invited to contribute letters, articles and general information on 49 MHZ band experiences and interests.



### \*\*\* IRCA AM-FM ALMANAC, 5th Edition 1991 \*\*\*

The fifth edition of the IRCA AM-FM Almanac is now available! This 240 page book is a must have cross reference for the serious FM and AM DXer. Within it you will find the current frequency check list, affiliates for news and talk show networks, syndicated music and religious programs, AM-FM simulcasts, station slogans, broadcasting in Canada, AM stereo, sports networks, utility stations and many articles on broadcasting. In addition, Volume V contains a section focusing on AM band foreign DXing. Each list is in frequency order and many include the FM frequencies as well as the AM (great for FM DXers).

The IRCA AM-FM Almanac is available in large comb bound or loose leaf (please state preference when ordering). Prices are:

IRCA member: US - \$13.00 Canada - \$14.00 Overseas Sea Mail - \$14.00 Overseas Air-Mail - \$17.00  
non-members: US - \$15.00 Canada - \$16.00 Overseas Sea Mail - \$16.00 Overseas Air-Mail - \$19.00  
The IRCA AM-FM Almanac is available from: IRCA, 11300 Magnolia #43, Riverside, CA 92505.